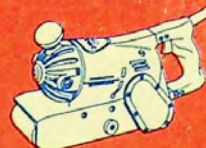
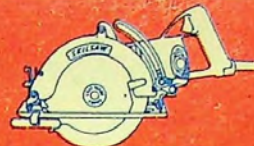


# SKIL

## portable tools

*for the manufacturing, construction and automotive industries*



**SKIL  
Corporation**

5033 ELSTON AVE.  
CHICAGO 30, ILL.

**1956**



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## your SKIL guarantee

All SKIL equipment is thoroughly inspected and tested before it leaves our factory, and is guaranteed to be free from defects in material or workmanship. Should a SKIL product fail to give satisfactory service, return the complete tool to our factory or nearest factory branch, with transportation charges prepaid. We will replace free of charge any part found by us to be defective due to faulty material or workmanship, provided repairs have not been made or attempted by others.

## SKIL Corporation

5033 Elston Avenue • Chicago 30, Illinois • PAIsade 5-2000 • 1956 Edition



# GENERAL INFORMATION



## the manufacturer

Over a quarter-century of experience in building portable electric tools stands behind every SKIL product. Our employees have helped build a reputation for quality through their spirit of craftsmanship and pride in their work. The selection of both component materials and modern, precision machines for its processing, reflect the high standards of the engineering and production staffs. Constant research and testing—together with rigid quality controls—combine to insure greatest value when you buy SKIL.

## prices and orders

Prices of all SKIL tools and accessories are always net to the user unless otherwise indicated, and are subject to change without notice. Orders are subject to acceptance by the factory in Chicago, and will be invoiced at prices in effect on date of shipment. Applicable federal or state taxes will be added to published prices. To keep current price data in your hands, a complete numerical price list is issued separately at intervals. We reserve the right to substitute materials used in manufacture other than those specified in this catalog.



## application information

The use of new developments in plastics, laminates, metals and composition products has, in many cases, preceded complete information on how to work them.

We maintain a free advisory service which is constantly searching out the best method for working any new material used by manufacturers, builders or service industries.

If you have a specific cutting, drilling or finishing problem involving the use of portable tools, which cannot be solved by normal methods, contact your nearest factory branch or write directly to us—SKIL Corporation.

## the distributor

SKIL tools are sold only through authorized distributors selected to give you the most efficient service possible in supplying your portable tool needs. Your SKIL distributor not only maintains full inventories for immediate shipment of orders, but offers a staff trained to assist in selecting equipment for your specific requirements. He welcomes the opportunity to help solve your problems...can save you work and worry...add to your profits as well. Call him for help on any portable tool problem. See your classified directory, or write for name of distributor nearest you.

## factory branch offices

From coast to coast, SKIL Factory Branches serve as coordinators of sales and service. Established primarily to serve SKIL distributors, they also extend parts service and repair facilities to all SKIL users. Call the branch nearest you for information regarding location of your closest SKIL distributor, special tool applications, accessories, or service. A complete list will be found on the back cover. Consult your local directory for telephone number.



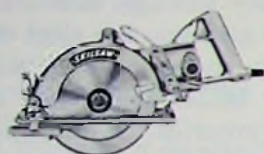


# SKIL PORTABLE TOOLS...

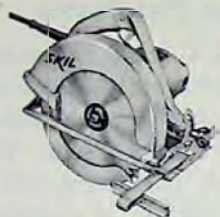
for the manufacturing,  
construction and automotive service industries

With a broader, more complete line of tools than that of any other manufacturer, SKIL Corporation intends to continue its progress in developing, improving and producing the tools users demand!

If your business requires portable electric or pneumatic tools, there's a SKIL tool for that job...engineered to outperform and outlast all other makes!



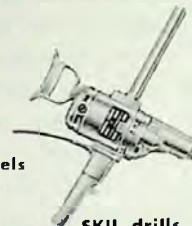
SKIL Super Duty saws  
9 models



SKIL Heavy Duty saws  
3 models



20 models



SKIL drills



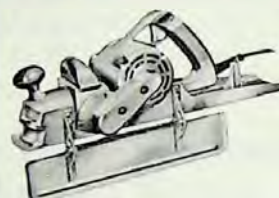
SKIL disc sanders 5 models



SKIL bench grinders  
7 models



SKIL belt sanders 4 models



SKIL plane



SKIL portable grinders  
5 models



SKIL hand grinders  
3 models



SKIL blowers 5 models



SKIL drivers, runners  
16 models



SKIL radial saws 5 models



SKIL oscillating sander



SKIL shears 2 models



SKIL router



SKIL polishers 2 models



SKIL valve seat grinders  
2 models



SKIL valve refacers  
2 models



SKIL valve seat grinding sets  
4 models



# ... OVER 150 MODELS

ask for separate catalogs on...

## SKIL pneumatic tools

Because of their many special applications, SKIL Pneumatic Tools are given detailed listing in a separate catalog. Write or ask your SKIL distrib-

utor for complete details on this vital line of production and assembly line tools, including hammers, hand grinders, disc sanders and polishers.



SKIL pneumatic hammer kit



SKIL hammers 6 models



SKIL grinders 3 models



SKIL disc sander, polisher

## SKIL builders tools

For carpenters and residential builders, as well as for home owners and hobbyists, SKIL Builders Tools provide a complete range of low-priced, high

quality tools for distribution through many types of retail outlets. Ask your hardware or building supply dealer for SKIL's Builders Line catalog.



1/4" drills



1/2" drill



4 1/4" saw



6", 6 1/2" saws



7 1/4", 8 1/4" saws



jig saw



chain saw



trimmer



orbital sander



sander-polisher



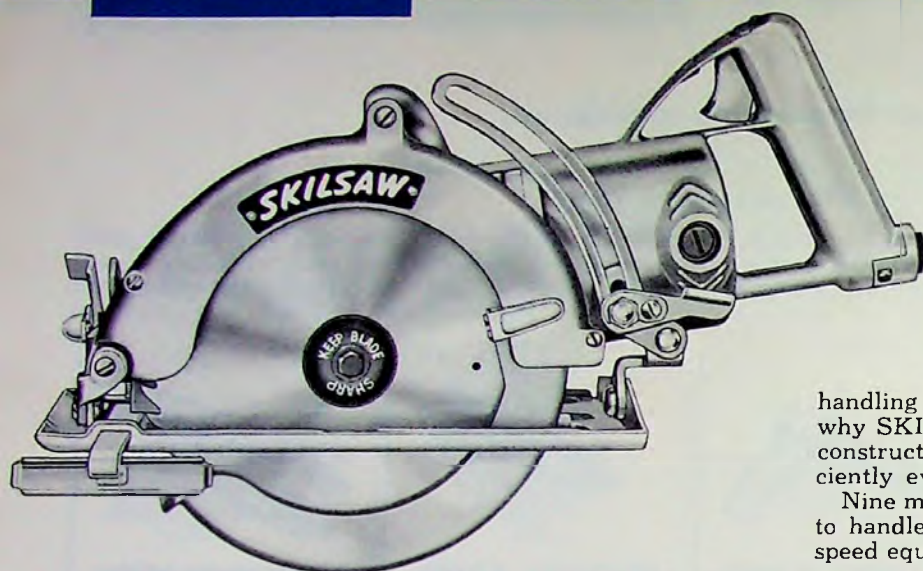
kits 3 models



belt sander



# SKIL SAWS



## THERE'S A SKIL SAW.

with blade sizes from 6" to 12"

More SKIL Saws are used today than any other make because of their superior quality plus all the exclusive features users insist upon—and need. Unmatched durability, outstanding performance, light weight, ease of handling and safety characterize SKIL design. That's why SKIL Saws are preferred for both industrial and construction use; they keep cutting speedily and efficiently even under heavy abuse at peak power.

Nine models of Super-Duty SKIL Saws are available to handle a big variety of jobs. Increased power and speed equip them to cut nearly every kind of material.

### super duty SKIL saws



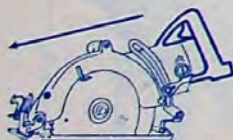
**5 oversized ball bearings** are used in SKIL Super Duty Saws to insure continuous, true-running performance under all operating conditions. Self-lubricating, anti-friction — they eliminate service attention.



**visibility—blade on left** lets you see both the sighting notch and blade cutting edge for complete accuracy with every Super Duty model. Saw base extends on both sides of blade for either right or left cuts.



**high torque, worm-drive gearing** has high gear ratio to produce proper spindle speed for tremendous power at the cutting edge plus plenty of reserve power on long rip cuts, in green lumber or in metal cutting.



**in-line rear handle** enables user to make faster cuts accurately. Super Duty Saws have two full-sized handles convenient for all cutting positions—one for routine cutting; two, for vertical or other difficult cuts.



**optional speeds** for special cutting applications are available on certain SKIL Saws (see Page 6). Included are slow speeds for cutting thick non-ferrous metals and high speeds for use with abrasive discs.



**special oil lubricant** developed for SKIL Tools after much research, assures complete lubrication at low as well as high temperatures—gives long, dependable tool service.

### only SKIL saws give



**telescoping guard** shields blade for complete safety. When saw enters work, blade guard automatically retracts—yet it always covers exposed part of blade and affords maximum protection to user at all times.



**depth and bevel adjustments** are quickly and easily made because of SKIL's simple, sturdy design. Quick-acting lever (or wing nut) provides finger-tip adjustment to desired cutting depths and bevels. Most models are adjustable to zero depth of cut.



**built-in rip fence** on most popular SKIL Saw models up to and including 8 1/4", is adjustable and indexed for use on either side of saw. A sturdy, rugged rip fence that enables user to make a perfectly straight rip cut.

**super-strong housings** of die-cast aluminum alloy have maximum strength while providing lighter weight than that of other housings. Die casting also permits attractive, satin-smooth finish of SKIL Saw housings.



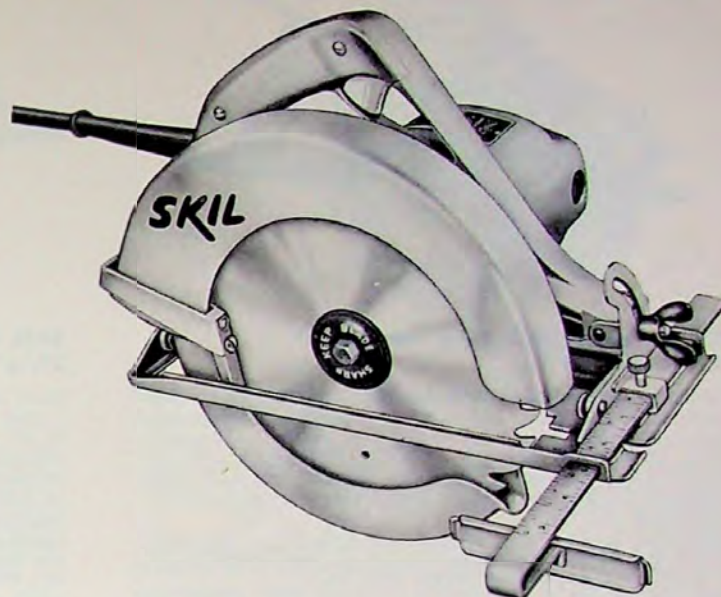
## FOR EVERY CUTTING JOB!

**in wood, metal, stone and plastics**

Also, special speeds and blades may be had to fill the most unique cutting requirements.

For many contractors, carpenters and builders, there are three new popular-sized Heavy-Duty Saws—6½", 7¼" and 8¼". Here are quality saws of minimum weight, attractively priced for the professional user. High blade speed and light weight make them ideal for repeated cutoff work in residential construction.

Ask your SKIL distributor to demonstrate the SKIL Saw that will fit your needs. A trial and comparison will prove to you, as to many thousands of enthusiastic users, that a SKIL Saw is superior to all others.



### heavy duty SKIL saws

#### you all these features

**guard retractor** on all SKIL Saw models is simple and safe for retracting the telescoping guard when pocket cutting, scoring or trimming. Safety is always a prime consideration in SKIL design.



**heavy-duty motors** are specially built to give each SKIL Saw the right power and speed for its range of work. These high speed universal motors are statically and dynamically balanced to eliminate vibration.



**heavy-duty foot** projects on both sides of saw blade to give full support on cuts from either side. Accurate sighting notches in foot enable you to make precise cuts on every kind of sawing job.

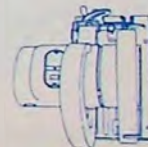


**positive cooling**—all SKIL Saws have efficient, balanced fan on motor shaft that cools motor. Baffle plate and ample ventilation ports direct air for efficient cooling. Air blast ejects sawdust, keeps line of cut clear.

**3 ball bearings, 1 needle bearing.** Only highest capacity, anti-friction ball and needle roller bearings are used in SKIL Heavy Duty Saws. All bearings are self-lubricating for trouble-free operation—another SKIL "extra" to assure longer saw life!



**sighting slot** on foot of Heavy Duty Saw enables user to accurately sight along line of cut and easily follow it for precise cutting in all sawing positions. Foot gives full support on cuts from either side.



**perfectly balanced top handle** is scientifically located to give easy one-hand operation of saw on all routine cuts. Motor housing is recessed for auxiliary hand grip when sawing vertically or in other difficult sawing positions.



**helical gearing**—Hardened helical gears give high blade speed for fast cut-off work. Helical design provides greater tooth strength, more contact area and higher efficiency for prolonged service, quieter operation.

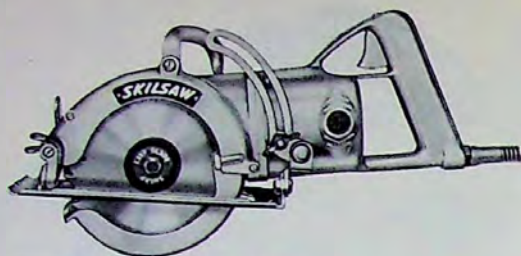


**permanently lubricated** — SKIL Heavy Duty Saws are factory lubricated with special heavy duty grease. This assures smooth operation and dependable service even under severe use. Eliminates frequent lubrication checks.





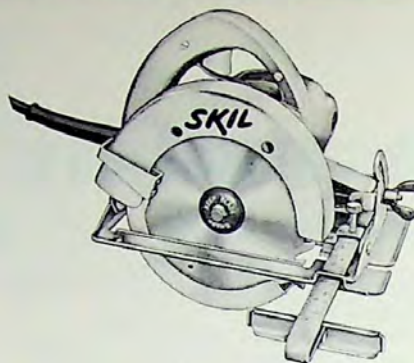
# SKIL SAWS



## SKIL 6" super duty saw—model 67 1 7/8" depth of cut

World's most durable 6" saw features high torque to give faster, smoother cuts. Tailor-made for all-around use in industrial maintenance, shipping and receiving departments. In construction, it's perfect for steady cutting of sheathing, subflooring, trim, light framing, plywood and structural panels, light gauge metal. Has 5 oversized self-lubricating ball bearings.

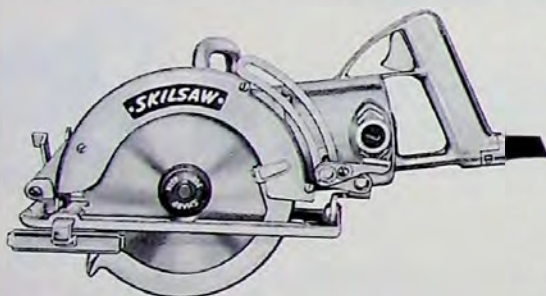
specifications: blade dia. 5 7/8", vertical depth of cut 0-1 7/8", max. depth of cut at 45° 1-3/16", blade speed 3400 r.p.m., length overall 15 1/2", net weight 11 3/4 lbs., shipping weight 18 1/2 lbs.



## SKIL 6 1/2" heavy duty saw—model 864 2 3/16" depth of cut

Here is one of the lightest saws of its power and capacity ...and it's completely versatile! For fast trimming, sizing or 45° bevel cutting of dressed lumber up to 2". Convenient one-hand operation makes it the carpenter's favorite personal saw. Handles most utility sawing jobs found in residential construction. Model 864 has 1 needle roller bearing and 3 heavy-duty ball bearings.

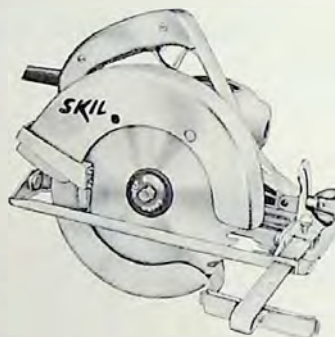
specifications: blade dia. 6 1/2", vertical depth of cut 1/16-2-3/16", max. depth of cut at 45° 1 3/4", blade speed 6100 r.p.m., length overall 10", net weight 10 3/4 lbs., shipping weight 14 1/4 lbs.



## SKIL 7 1/4" super duty saw—model 77 2 3/8" depth of cut

Most popular model of this capacity, Model 77 bevel cuts 2" dressed lumber at 45°, making it the standard saw for general construction. Thousands are in daily use, providing dependable, trouble-free performance. Utilizes ball bearing construction throughout. With any of a broad variety of SKIL Blades, this super-duty "powerhouse" cuts metals, stone or compositions; optional speeds available.

specifications: blade dia. 7 1/4", vertical depth of cut 0-2 3/8", max. depth of cut at 45° 1 7/8", blade speed (std.) 4500 r.p.m., optional speeds 1300 and 5700 r.p.m. available at extra cost, length overall 17 1/4", net weight 15 1/2 lbs., shipping weight 25 lbs.



## SKIL 7 1/4" heavy duty saw—model 874 2 3/8" depth of cut

A new lightweight, general-purpose saw designed for use by carpenters and contractors in residential construction. With far greater utility than others in its price range, Model 874 gives you the power and speed found only in higher-priced tools. Bevel cuts dressed lumber at 45°. Has quick-acting depth and bevel adjustments. Features quality construction with hardened helical gears plus 3 ball bearings and 1 needle roller bearing.

specifications: blade dia. 7 1/4", vertical depth of cut 1/16-2 3/8", max. depth of cut at 45° 1 7/8", blade speed 6000 r.p.m., length overall 11 3/4", net weight 13 1/2 lbs., shipping weight 19 1/4 lbs.

### comparative specifications

equipment, all models above: Combination blade; 3-wire cord with connector; blade wrench; lubricant; rip fence, models 77, 864, 874; visible oil level indicator on models 67, 77.

general specifications—motors: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Furnished on order for 220 and odd voltages

at no extra cost.

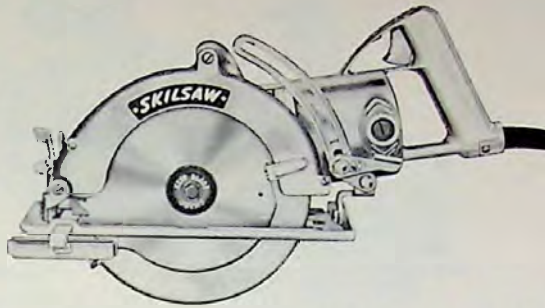
switches: Enclosed double pole, momentary contact trigger switches. guard: Safety telescoping guard shields blade when not cutting. Safety retractor handle.

blower: Clears sawdust from line of cut (except 864, 874).

bevel adjustment: 0° to 45°.

model no.	blade diam. inches	vertical depth of cut, inches	max. depth of cut at 45°, inches	blade speed no-load r.p.m.	length overall, inches	net weight, lbs.
67	5 7/8	0-1 7/8	1 3/16	3400	15 1/2	11 3/4
864	6 1/2	1/16-2 3/16	1 3/4	6100	10	10 3/4
77	7 1/4	0-2 3/8	1 7/8	4500	17 1/4	15 1/2
874	7 1/4	1/16-2 3/8	1 7/8	6000	11 3/4	13 1/2

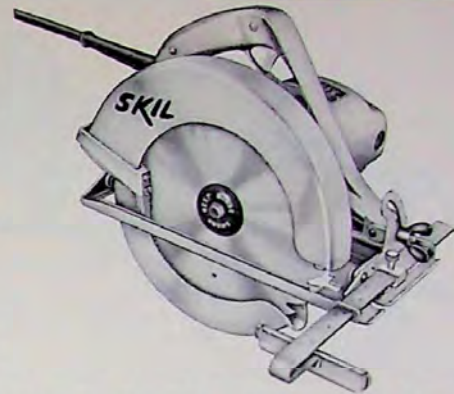




## SKIL 8 1/4" super duty saw—model 825 2 1/2" depth of cut

This powerful, high-torque, super duty saw is ideal for use on either residential or light commercial construction. Model 825 is preferred for all-purpose industrial maintenance because it solves just about any cutting problem. It easily bevel cuts rough lumber at 45°. Also cuts a wide variety of other materials using special blades (see blade listings in tables on pages 10, 11). Has 5 ball bearings.

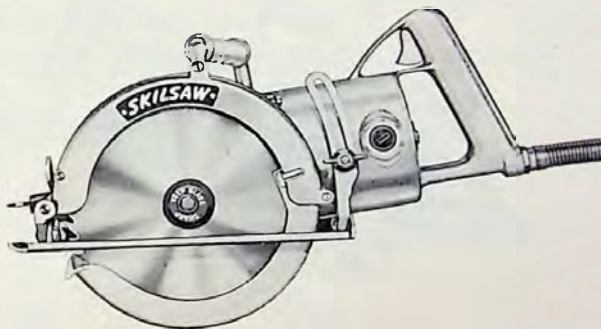
specifications: blade dia. 8 1/4", vertical depth of cut 0-2 1/2", max. depth of cut at 45° 2 1/2", blade speed (std.) 4000 r.p.m., optional speeds 1200 and 5200 r.p.m. available at extra cost, length overall 18", net weight 16 1/2 lbs., shipping weight 25 lbs.



## SKIL 8 1/4" heavy duty saw—model 884 2 1/2" depth of cut

For maximum power and capacity in a lightweight saw, heavy duty Model 884 is recommended. It handles all cutting jobs found in residential building, including sawing or scoring stone, metal and composition materials. With 3 ball bearings and 1 needle bearing, built-in rip fence plus simple depth and bevel adjustments, here's the greatest saw value available today.

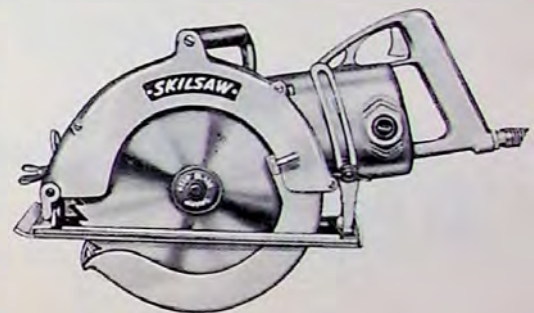
specifications: blade dia. 8 1/4", vertical depth of cut 1 1/4-2 1/2", max. depth of cut at 45° 2 1/2", blade speed 5700 r.p.m., length overall 11 7/8", net weight 14 1/2 lbs., shipping weight 20 3/4 lbs.



## SKIL 9" super duty saw—model 87 2 3/4" depth of cut

Designed for cutting heavy framing members in construction where 2" rough lumber is commonly used. Model 87 is excellent for production sawing of wood, metal, natural or cast stone. High-torque motor, precision gears and oversized ball bearings insure long life under constant use. Includes heavy-gauge metal carrying case.

specifications: blade dia. 8 1/2", vertical depth of cut 1-2 3/8", max. depth of cut at 45° 2 3/8", blade speed (std.) 3200 r.p.m., optional speed of 750 r.p.m. available at extra cost, length overall 19", net weight 24 1/2 lbs., shipping weight 43 3/4 lbs.



## SKIL 10" super duty saw—model 107 3 3/8" depth of cut

Jobs requiring frequent rip cutting—like cutting hardwoods, heavy rough lumber, wet or resinous woods—are handled with amazing speed and ease with Model 107. It's completely dependable for constant use on heavy commercial construction. Built to take abuse, it cuts most any material with proper blade. Carrying case included.

specifications: blade dia. 9 7/8", vertical depth of cut 1-3 3/8", max. depth of cut at 45° 2 3/8", blade speed 2900 r.p.m., length overall 21", net weight 31 1/4 lbs., shipping weight 51 1/2 lbs.

### comparative specifications

equipment, all models above: Steel carrying case (models 87, 107 only); combination blade; rip fence, models 825, 884; visible oil level indicator on models 825, 87, 107; 3-wire cord with connector; blade wrench; lubricant.

general specifications—motors: Universal, D.C. or A.C. up to 60 cycles, voltages: Standard 115. Furnished on order for 220 and odd voltages

at no extra cost.

switches: Enclosed double pole, momentary contact trigger switches. guard: Safety telescoping guard shields blade when not cutting. Safety retractor handle.

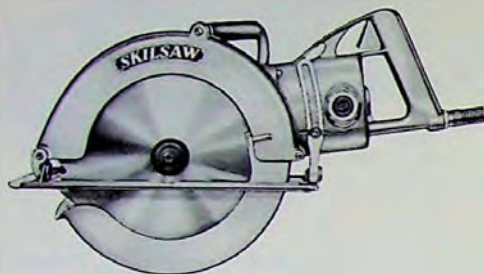
blower: Clears sawdust from line of cut (except 884).

bevel adjustment: 0° to 45°.

model no.	blade diam. inches	vertical depth of cut, inches	max. depth of cut at 45°, inches	blade speed no-load r.p.m.	length overall, inches	net weight, lbs.
825	8 1/4	0-2 1/2	2 1/2	4000	18	16 1/2
884	8 1/4	1/4-2 1/2	2 1/2	5700	11 1/4	14 1/2
87	8 1/2	1-2 3/4	2 3/4	3200	19	24 1/2
107	9 7/8	1-3 3/4	2 3/4	2900	21	31 1/4



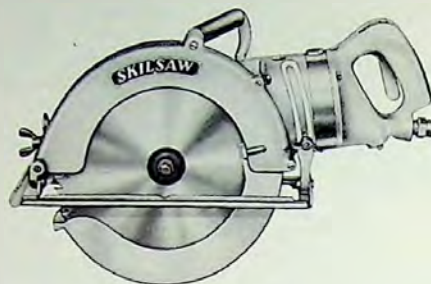
# SKIL SAWS



## SKIL 12" super duty saw—model 127 4 3/8" depth of cut

The most powerful and fastest cutting portable electric saw made. Model 127 is recommended where the job calls for portability, yet requires maximum depth of cut. Ideal for all types of sawing in mine, bridge, dock and boat building; railroad and other heavy construction or maintenance. Includes heavy-gauge metal carrying case.

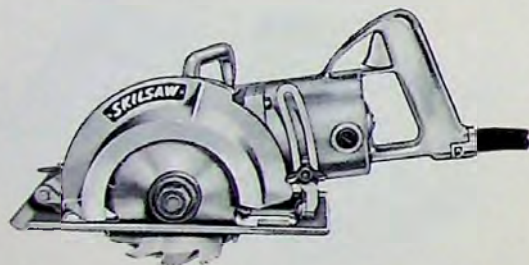
specifications: blade dia. 11 7/8", vertical depth of cut 2 3/8"-4 3/8" max. depth of cut at 45° 3 3/4", blade speed 2500 r.p.m., length overall 22", net weight 34 lbs., shipping weight 56 lbs.



## SKIL 12" pneumatic saw—model 2127 4 3/8" depth of cut

Designed for heaviest use in locations where electric tools are unsafe to use, or where electric power is not available. Stalling will not harm the powerful, air-operated motor of the rugged Model 2127. Unit requires 80 to 100 p.s.i. air pressure at 75 c.f.m. Use 1/2" i.d. air hose; over 25' length, use 3/4" i.d. hose. Complete with metal carrying case.

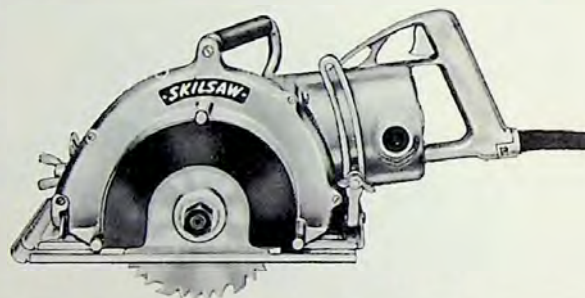
specifications: blade dia. 11 7/8", vertical depth of cut 2 3/8"-4 3/8" max. depth of cut at 45° 3 3/4", blade speed 2200 r.p.m., length overall 22", net weight 32 1/2 lbs., shipping weight 58 1/2 lbs.



## SKIL 6" groover saw—model 177 grooves 1 3/4" deep, 1" wide

Finds many applications in the woodworking industries for notching and grooving large pieces which are not easily moved. Blades not supplied. Order No. 321, 6" dado set. No. 389 7 1/4" combination blade also available. (See tables on pages 10, 11.) Both have 3/4" round arbor hole.

specifications: blade dia. 6", vertical depth of cut 0-1 3/4", max. depth of cut at 45° 1 3/4" (with combination blade), blade speed 3200 r.p.m., length overall 18", net weight 18 lbs., shipping weight 27 1/2 lbs.



## SKIL 7" groover saw—model 117 grooves 2 1/16" deep, 2 1/16" wide

Gives maximum grooving capacity for heavy millwork and in shipyards. Model 117 can cut a cross-sectional area of four square inches. Order No. 4559, 7" dado set. No. 12613, 10" combination blade also available. (See tables on pages 10, 11.) Both blades have 3/4" round arbor hole.

specifications: blade dia. 7", vertical depth of cut 0-2 1/16", max. depth of cut at 45° 2 3/8" (with combination blade), blade speed 2900 r.p.m., length overall 21", net weight 34 lbs., shipping weight 49 1/2 lbs.

### comparative specifications

equipment, all models: Steel carrying case (models 127, 2127 only); combination blade (except 117, 177); 3-wire cord and connector (2127 has air hose); visible oil level indicator; blade wrench.

general specifications—motors: Universal D.C. or A.C. up to 60 cycles (except 2127).

voltages: Standard, 115 (except 2127). Furnished on order for 220 and

odd voltages at no extra cost.

switches: Enclosed double pole, momentary contact trigger switches. guard: Safety telescoping guard shields blade when not cutting. Safety retractor handle (models 127, 2127).

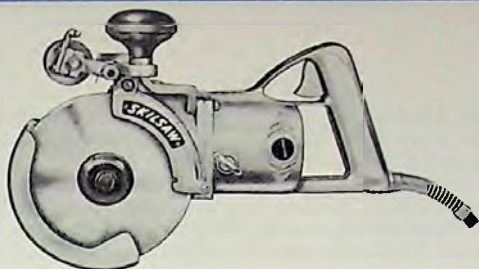
blower: Clears sawdust from line of cut.

bevel adjustments: 0° to 45° (except models 117, 177).

model no.	blade diam. inches	vertical depth of cut, inches	max. depth of cut at 45°, inches	blade speed no-load r.p.m.	length overall, inches	net weight, lbs.
127	11 7/8	2 3/8-4 3/8	3 3/4	2500	22	34
2127	11 7/8	2 3/8-4 3/8	3 3/4	2200	22	32 1/2
177	6	0-1 3/4	1 3/4 (with comb. blade)	3200	18	18
117	7	0-2 1/16	2 3/8 (with comb. blade)	2900	21	34



# SAW ACCESSORIES



**SKIL 6" cotton sampling saw—model 144**  
2" depth of cut

For speedy sampling of baled cotton. New Model 144 has built-in sharpening attachment for special knife blade, and features retractable blade guard. Adaptable to other special fabric or textile cutting applications. Furnished with non-sparking blade. Overall length, 14"; net weight, 11½ lbs.; shipping weight 14 lbs.

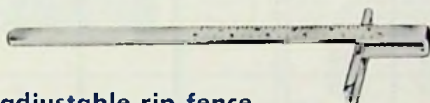
## accessories

No. 16293 Non-Sparking Knife Blade.

No. 16296 Grinding Wheel to be used with No. 16293 Non-Sparking Blade (order 2).

No. 9772 Steel Knife Blade.

No. 12701 Grinding Wheel to be used with No. 9772 Steel Knife Blade (order 2).



**SKIL adjustable rip fence**

Eliminates repeated measuring and marking on rip work. Fits on front of saw base; guides saw accurately to cut uniform width.

model	volts	serial no.	rip fence no.
67	all	all	9726
77	115	143979—below	1880
77	115	143980 thru A-688120	154
77	115	A-688226—up	13896
77	220	149263—below	1880
77	220	149264 thru 808159	154
77	220	808160—up	13896
87	115	152000—below	1880
87	115	152001—up	154
87	220	158583—below	1880
87	220	158584—up	154
107	all	all	154
127	all	all	154
800	all	all	154
825	115	186001 thru A-625789	154
825	115	A-625790—up	13897
825	220	186851 thru 564098	154
825	220	564099—up	13897
864	all	all	11496
874	all	all	11496
884	all	all	11496
2127	all	all	154

## SKIL saw carrying cases

Handy, durable carrying cases made of heavy gauge steel with special brackets to protect saw and spare blades.

No. 3240—Case for Model 87 SKIL Saw.

No. 4335—Case for Model 127, 2127 SKIL Saws.

No. 4524—Case for Model 107 SKIL Saw.

No. 4847—Case for Model 67 SKIL Saw.

No. 10734—Case for Model 77, 825 SKIL Saws.

No. 16355—Case for Model 686, 864 SKIL Saws.

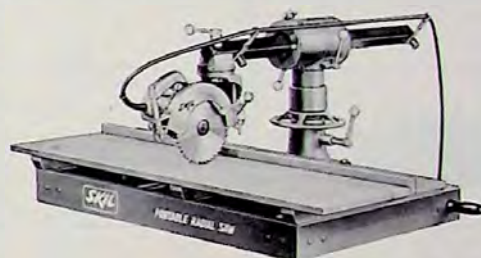
No. 16356—Case for Model 687, 698, 874, 884 SKIL Saws.



**SKIL saw guide—model 149**

Inexpensively converts SKIL Saws to portable radial saws. Fits Models 77, 825, 87 and other popular makes with base width of 4¼" to 5½". Attaches to a platform set on two sawhorses; gives increased accuracy and production for carpenters, small builders and contractors. Just lift saw from guide for portable use. Maximum width of cut at 90°, approximately 17"; at 45° approximately 10½". Maximum ripping width, approximately 28". Equipped with rip attachment.

specifications: include radial range of 120° (60° right or left); bevel capacity 0° to 45°. Column permits 4¼" vertical adjustment, equipped with friction locking lever. net wt. 26 lbs.; shipping weight 30 lbs.



**SKIL radial tables—for SKIL portable saws**

Quickly converts a portable SKIL Saw into an efficient radial saw. Speeds production on pre-cut framing and gang-cutting operations for multi-unit construction projects. Saw is easily removed for portable use.

**Model 599** (for Model 77, 825, 87 Saws) consists of one each No. 642 Radial Table, No. 16879 Mounting Bracket (packaged separately).

**Model 699** (for Model 874, 884, 553, 554 Saws) consists of one each No. 642 Radial Table, No. 16878 Mounting Bracket (packaged separately).

specifications: supporting head 8 ball bearings (4 adjustable for wear); vertical adjustment 6½"; radial range 90° (45° right or left); bevel capacity 0° to 45°; depth of cut same as individual saw used; net weight (both models) 170 lbs.; shipping weight 185 lbs.; cutting capacities as follows:

table model	maximum cut-off	maximum rip
699	18"	24 ¼"
599 (with 77, 825 saws)	19"	28 ½"
599 (with 87 saw)	15"	28 ¾"

No. 16792—Extra equipment, 4 steel legs.



**SKIL miter guide—no. 13802**

The new SKIL Miter Guide is a really practical accessory for most every wood cutting job. Set it at a desired angle just once, and you can make any number of cuts at precisely that same angle. Your portable saw easily follows guide bar for both right and left hand miter cuts. Eliminates time spent in figuring angles and plotting layout marks.



# SAW ACCESSORIES

## SKIL blades

Made of a special nickel, chrome, molybdenum steel alloy. SKIL Blades must pass 16 quality control inspections before packaging. There are no finer saw blades at any price!

You can now buy SKIL Blades in all standard round arbor sizes as well as with the familiar SKIL Saw diamond arbor. It's both economical and convenient








to order blades for table saws and other makes of portable saws from one source. Note the dual-arbor feature on SKIL round arbor blades, providing a choice of two arbor sizes with any single blade diameter.

Users of SKIL Blades may also take advantage of low-cost blade exchange and sharpening service available at all SKIL Factory Branches.

## DIAMOND ARBOR ROUND and SQUARE ARBORS

for SKIL SAWS


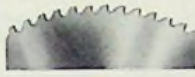


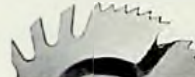

for other portable and table saws

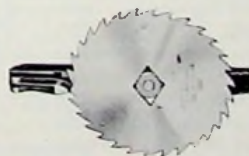
	description	part no.	nominal dia., in.			
				part no.	dia., inches	arbor size, inches
	<b>combination</b> For crosscut and rip work in soft woods, general carpentry. Most frequently selected, most popular SKIL Saw Blade.	*376	5 7/8	12610	6	1/2, 3/8 Rd.
		16122	6 1/2	16967	6	1/2 Sq.
		*377	7 1/4	16957	6 1/4	1 1/8 Rd.
		871	8	13834	6 1/4	3/8, 3/4 Rd.
		*388	8 1/4	13853	7	3/8, 3/4 Rd.
		379	9	389	7 1/4	3/4 Rd.
		380	10	16968	7 1/4	1 1/8 Sq.
		382	12	16958	7 3/8	1 1/8 Rd.
				13854	7 1/2	3/8, 3/4 Rd.
				12611	8	1/2, 3/8 Rd.
	<b>two-way combination</b> For general purpose cross-cutting or rip sawing. Cuts in either direction! Stays sharp up to 4 times longer than ordinary blades, has 50% harder cutting edge. Alternate teeth are honed while others are cutting and, by periodic reversing of blade, gives self-sharpening action that prolongs blade life. Low price makes it economical to discard blade when dull.	13550	5 7/8	13855	8 1/4	3/8, 3/4 Rd.
		13551	7 1/4	16959	8 1/4	1 3/8 Rd.
		13552	8 1/4	16969	8 1/2	1 3/8 Sq.
				12612	9	3/8, 3/4 Rd.
	<b>rip</b> For maximum speed in cutting with grain. Similar to combination in tooth shape, but has more set to minimize binding.	12767	5 7/8	12613	10	3/8, 3/4 Rd.
		352	7 1/4	12614	12	3/4, 1 Rd.
		12768	8 1/4			
		353	9			
	<b>novelty combination</b> A good choice for general use in cabinet work. Produces smooth cuts with or across grain.	9764	10			
		330	12			
				12630	6	1/2, 3/8 Rd.
				12631	8	1/2, 3/8 Rd.
	<b>carbide-tipped</b> These remarkable new blades not only stay sharp up to 30 times longer in cutting new lumber, but give excellent service on such hard-to-cut materials as asbestos cement, asphalt siding and other semi-abrasive products which quickly dull regular steel blades. Nos. 9590, 9598 recommended for heavy duty service. Not for stone or masonry.	7996	6 5/8	12632	9	3/8, 3/4 Rd.
		9590	18 7/4	12633	10	3/8, 3/4 Rd.
		7997	8 7/4	12634	12	3/4, 1 Rd.
		7998	8 8/4			
	<b>cross-cut</b> Gives smoother cross-grain cuts. Also practical for use as combination-rip and cut-off blade in hard woods.	7998	20 8/4			
		9752	5 7/8	12620	6	1/2, 3/8 Rd.
		16123	6 1/2	16970	6	1/2 Sq.
		356	7 1/4	16960	6 1/4	1 1/8 Rd.
		293	8	13856	6 1/4	3/8, 3/4 Rd.
		350	8 1/4	13857	7	3/8, 3/4 Rd.
		357	9	16971	7 1/4	1 1/8 Rd.
		9763	10	16961	7 3/8	1 1/8 Rd.
		334	12	12621	8	1/2, 3/8 Rd.
				16962	8 1/4	1 3/8 Rd.
	<b>fine-tooth</b> For cutting Celotex or similar soft wallboard; 1/16" or thinner plastic materials.	280	5 7/8	12622	9	3/8, 3/4 Rd.
		366	7 1/4	12623	10	3/8, 3/4 Rd.
		9744	8	12624	12	3/4, 1 Rd.
		361	9			
				12670	6	1/2, 3/8 Rd.
				12671	8	1/2, 3/8 Rd.
				12672	10	3/8, 3/4 Rd.

\*Packed in cartons of 10. Order in lots of 10 where possible for convenience and quantity discount. (See price list for quantity discounts.)



# SAW ACCESSORIES

	description	DIAMOND ARBOR for SKIL SAWS		ROUND AND SQUARE ARBORS for other portable and table saws		
		part no.	nominal dia., in.	part no.	dia., inches	arbor size, inches
	<b>miter</b> Hollow ground for very smooth cutting. Ideal for interior finish and trim.	314 16124 362 9757 363 9758	5 7/8 6 1/2 7 1/4 8 9 10	12640 16972 16963 13858 13859 16964 16973 12641 12642 12643 12644	6 6 6 1/4 6 1/4 7 7 1/4 7 1/4 8 9 10 12	1/2, 3/4 Rd. 1/2 Sq. 1 1/4 Rd. 3/4, 3/4 Rd. 3/4, 3/4 Rd. 1 1/4 Rd. 1 1/4 Sq. 1/2, 3/4 Rd. 3/4, 3/4 Rd. 3/4, 3/4 Rd. 3/4, 1 Rd.
	<b>friction</b> For cutting light gauge flat or corrugated sheets of iron, such as metal roofing. Hollow ground. Use only on Model 77 or larger.	9768 9769	5 7/8 8			
	<b>flooring</b> For repairing old floors, cutting crating or used lumber where nails are encountered. Use a blade 1 to 2 inches smaller than maximum saw capacity.	9775 358 348 359 349	5 7/8 7 1/4 8 9 10	12660 16974 16965 16975 16966 12661 12662 12663 12664	6 6 6 1/4 7 1/4 7 3/4 8 9 10 12	1/2, 3/4 Rd. 1/2 Sq. 1 1/4 Rd. 1 1/4 Sq. 1 1/4 Rd. 1/2, 3/4 Rd. 3/4, 3/4 Rd. 3/4, 3/4 Rd. 3/4, 1 Rd.
	<b>metal slitting</b> Nos. 9813 and 17007 cut 3/8" and thicker aluminum, magnesium or lead; Nos. 9814 and 17008 cut copper, brass, 3/8" or thinner aluminum and magnesium, plastics 1/16" and thicker. No. 393 is a special blade for cutting wood-sheet metal laminates only. All hollow ground.	393 9813 9814 17007 17008	6 7 1/4 7 1/4 8 1/4 8 1/4			
	<b>groover</b> For dado and plough operations. Groover blades up to 3/8" width may be used on Models 825, 800 and 87 and up to 1/2" on Models 107 and 127. To use wider blades on SKIL Saws, the left hand side of their bases should be cut away. All have 5 1/2" diameters.	9748 9745 9747 9751	kerf, inches 3/8 1/4 1/2 1 3/4			
	<b>dado</b> Dado sets listed at right are adjustable from 1/8" to maximum width by sixteenths as follows: No. 321, 1 1/16"; No. 4559, 2 1/16"; Nos. 12676 and 12677, 1 1/16". Extra chippers available on special order.			12676 321 4559 12677	6 6 7 8	3/8 3/4 3/4 3/4



## SKIL blade set—no. 284

Fast, accurate, "hammer-set" type. Adjustable for 4" to 12" blades. Place blade on arbor, strike anvil two or three times with hammer on every other tooth; turn blade over and repeat on alternate teeth. Fits 1/2" and 3/4" round arbor blades as well as regular diamond arbor SKIL Blades.

## Blade Files

Round tapered file—keeps gullets between blade teeth round for proper chip clearance and to prevent cracking. No. 210—Round Tapered File.

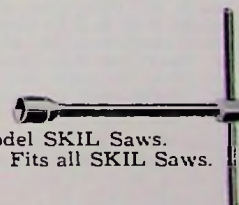
Blade tooth file—specially shaped file for sharpening blade teeth without distortion.

No. 228—Blade Tooth File.

## Blade Stud Wrench

No. 266—Fits all current model SKIL Saws.

No. 200—Deluxe "T" handle. Fits all SKIL Saws.





# SAW ACCESSORIES

## SKIL cut-off wheels

Highest quality electric furnace abrasives are used. All discs are bonded with phenol-resin or rubber for strength and longer life. Steel insert reinforces arbor hole to eliminate breakage. Order carefully for each specific kind of work.



	part no.	nominal size, in.	pkge. quan.
<b>for concrete and asbestos cement:</b> Used for cement, concrete, mortar, building brick, precast stone, glazed brick, terra cotta, firebrick, roofing and sewer tiles, limestone, terrazzo, art marble and building tiles. Also used for hard compressed asbestos; plastics and other close textured manufactured materials of fibrous rather than granular structure.	7939	6x1/4	10
	7940	6x3/4	5
	7941	6x1/2	5
	7942	6x3/8	5
	7943	7 1/4 x 1/4	10
	7981	7 1/4 x 3/8	5
	7944	8x1/4	10
	7945	8x1/2	5
	7946	9x1/4	10
	7947	10x1/4	5
*For 8" and larger saws only.	7948	12x1/4	5

<b>for tile:</b> Used for harder tiles and other manufactured ceramic, clay and stone products having a dense, non-porous surface structure, such as glazed and ceramic tiles.	7949	6x1/4	10
	7950	7 1/4 x 1/4	10
	7951	8x1/4	10
	7952	9x1/4	10
	7953	10x1/4	5
	7954	12x1/4	5

<b>for marble:</b> For all marbles, slate, Wisconsin lannon. Highly compressed natural and artificial substances sufficiently close in texture to permit polishing; materials which cleave in flat sheets, hard rubber base materials.	7955	6x1/4	10
	7956	6x3/4	5
	7957	6x1/2	5
	7958	7 1/4 x 1/4	10
	7959	8x1/4	10
	7960	9x1/4	10
	7961	10x1/4	5
	7962	12x1/4	5

**for granite:** Granite and crab orchard stone can be cut only by successive scoring. Only marble cutting discs should be used. Materials such as refractory brick and non-slip tiles of electric furnace abrasives cannot be cut with cut-off wheels. Use SKIL Diamond Grit Blades.

	part no.	nominal size, in.	pkge. quan.
<b>for cast iron:</b> For ferrous metals of low tensile strength, as cast iron; also non-ferrous metals as bronze and Monel.	7969	6x1/4	10
	7970	7 1/4 x 1/4	10
	7971	8x1/4	10
	7972	9x1/4	10
	7973	10x1/4	5
	7974	12x1/4	5

<b>for alloy steels:</b> Used for high tensile strength metals generally ferrous, including alloy steels, angles, bars and rods.	7975	6x1/4	10
	7976	7 1/4 x 1/4	10
	7977	8x1/4	10
	7978	9x1/4	10
	7979	10x1/4	5
	7980	12x1/4	5

## SKIL water feed attachment

Easily attached to most current model SKIL Saws. Perforated fork supplies water for both sides of blade. Equipped with 10 ft. of hose with standard connection for attaching to faucet or extension water hose. Must be used with diamond grit blades, may be used with cut-off wheels.



No. 5750—for Models 67, 77, 825, 87, 107, 127, 2127.  
No. 13395—for Models 687, 698, 800, 864, 874, 884.

## SKIL "flex" cut-off wheels

Nylon reinforced 100% electric furnace abrasives—resinoid bonded and reinforced with yards of inter-woven Nylon cord. This construction results in a wheel which will "give" without shattering. More economical to use on many types of work because of reduced breakage and replacement time. Packed 10 wheels to a carton.



## SKIL "flex" cut-off wheels for SKIL saws:

For cutting hard metals, steel, stainless steel, cast iron, hard brass, hard bronze, etc. Type A (Aluminum oxide abrasive).

Part No.	Size	pkg. quan.
13157	5 1/4" x 1/4"	10
11640	7 1/4" x 1/4"	10
11641	8 1/4" x 1/4"	10
11642	8 1/4" x 1/4"	10

For cutting masonry, firebrick, non-metals, and for soft, nonferrous metals. Type C (Silicon carbide abrasive).

Part No.	Size	pkg. quan.
13158	5 1/4" x 1/4"	10
11643	7 1/4" x 1/4"	10
11644	8 1/4" x 1/4"	10
11645	8 1/4" x 1/4"	10

NOTE: Before using any cut-off wheel, always be sure its maximum safe operating speed (shown on wheel blatter) is not exceeded by the free speed of the tool (shown in this catalog). See price list for quantity discounts on Cut-Off Wheels.

## SKIL "flex" pointing wheels for SKIL tuckpointing grinder, model 465 (3/8" diameter arbor holes):

For lime and cement mortar, brick, concrete, and similar materials. (Silicon carbide abrasive).

Part No.	Size	pkg. quan.
11646	8" x 1/4"	10
11647	8" x 3/4"	10

## SKIL diamond grit blades

Cuts all stone and masonry materials including brick, concrete, glass, tile, marble; all asbestos cement products. Embedded diamond grit gives this blade a faster-working, longer-lasting edge that cuts all stone and masonry materials cleaner, smoother and without dust. Outlasts abrasive discs. It's shatterproof...no danger of flying pieces of abrasive. This blade cannot be used dry. See SKIL Water Feed Attachment (at left).



Part No.	Nominal size, in.
341	7 x .050
344	8 x .050
372	9 x .064
375	10 x .064



## SKIL lubricants

Always use genuine SKIL Lubricants to insure positive lubrication under the most severe operating conditions. Developed and formulated after long research as the best protective lubricants available for SKIL Tools.



**TYPE A**—For SKIL Saws with leather oil seals: **Models 67, 107, 117, 127, 825, 2127.** Model 77—110 volts, serial No. 145700 and above. All other voltages, serial No. 149514 and above. Model 87—110 volts, serial No. 151866 and above. All other voltages, serial No. 158578 and above. All saws with serial prefix "A." For SKIL Belt Sanders with worm gear case. For SKIL Polisher, Model 307. No. 249 tube. No. 264 pint can. No. 267 ½ gal. can.

**TYPE B**—For SKIL Saws without leather oil seals: **Models E, J, M, O, R, S, W, 177, 77G, OG, 800.** Model 77—110 volts, serial No. 145699 and below. All other voltages, serial No. 149513 and below. Model 87—110 volts, serial No. 151865 and below. All other voltages, serial No. 158577 and below. See Type A for saw serial Nos. prefixed "A." For SKIL Belt Sander, Models A, B. No. 222 tube. No. 221 2 lb. can. No. 223 5 lb. can.

**TYPE C**—For SKIL Builders Saws and SKIL Heavy Duty Saws, **Models 864, 874, 884.** For SKIL Disc Sanders, Drills, Drivers, Nibbler, Model 370 Polisher, Portable Grinders, Shears, Floor Edger and chain case of SKIL Belt Sanders. No. 252 tube. No. 251 2 lb. can. No. 9742 5 lb. can.

## SKIL extension cords—heavy duty

These extension cords are manufactured of heavy duty flexible stranded copper, all rubber covered. Only this quality assures long life under severe outdoor service.



Powerful SKIL Saws and other portable tools, when used with extension cords, require cords of sufficient gauge size to prevent harmful drop in voltage when the tool is under load.

Distance from outlet to where the tool is used governs the size required. It is essential to use heavier gauge wire as distance from outlet increases.

3-conductor extension cords with new grounding type 115 volt connectors.

no.	length, ft.	gauge
16146	50	16
16147	100	16
16148	50	14
16149	100	14
16150	50	12
16151	100	12
16152	100	10

3-conductor extension cords less connectors

no.	length, ft.	gauge
432	50	14
433	100	14
434	50	12
435	100	12
436	100	10

## connectors

For use with SKIL extension cords. Heavily armored to prevent breakage. All SKIL Tools are now equipped with 3-wire cords and new type 3-prong connectors in conformity with The National Electrical Code. All 115-volt tools also include No. 13722 Adapter, described below.

description	con- nector	for cord gauge up to	part no.
new grounding type, 115 volts	male female	14 14	16153 16154
adapter for No. 16153 plug above—adapts new type grounding plug to standard 2-wire outlet.....			
13722			
new grounding type, 220 volts	male female	14 14	16284 16285
non-grounding type, 115 volts	male female	14 14	9732 9739
crow-foot grounding type, 220 volts	male female	14 14	257 259
twist-lock non-grounding type, 220 volts	male female	12 12	233 234
twist-lock grounding type, 220 volts	male female male female	14 14 12 12	12912 12913 430 431

## extension cord guide

Sizes listed are minimum required under ideal conditions. To be sure of getting full motor power and protection, use next heavier gauge.

length, ft.	30	100	150	200	300
<b>belt sanders</b>					
325.....	16	16	16	14	12
448, 449.....	16	14	12	12	10
323, 324.....	14	14	12	10	8
<b>blowers</b>					
25, 28.....	16	16	16	16	14
26.....	16	16	16	14	12
27.....	14	14	12	10	8
29.....	16	14	12	12	10
<b>disc sanders</b>					
11, 851.....	16	16	14	12	10
12, 14, 551.....	16	16	14	12	12
852.....	16	14	12	12	10
13, 540.....	14	14	12	10	8
<b>drills</b>					
161.....	16	16	16	16	16
45, 47, 49, 73, 78, 241.....	16	16	16	16	14
242, 244, 250, 260, 269.....	16	16	16	16	14
243, 253, 281.....	16	16	16	14	12
64, 80.....	16	16	16	14	12
83, 101, 121, 141, 283, 326, 327.....	16	16	16	14	12
328, 329, 331, 371, 573, 2101, 2121.....	16	16	14	12	12
103, 331, 572, 2103.....	16	16	14	12	10
123, 143, 163, 332, 333, 443.....	16	14	12	12	10
<b>drivers</b>					
132, 133, 172, 173, 312, 313, 342, 343, 316, 317, 346, 347.....	16	16	16	16	14
305, 306, 335, 336.....	16	16	16	14	12
308, 309, 338, 339.....	16	16	16	14	12
<b>floor sanders</b>					
10.....	14	12	10	10	8
301.....	12	12	10	8	6
<b>grinders</b>					
15, 465.....	16	16	14	12	10
16, 142.....	16	14	12	12	10
171, 148.....	16	16	16	16	14
137, 146.....	16	16	16	16	16
<b>oscillating sander</b>					
438.....	16	16	16	16	14
<b>plane</b>					
100, 190.....	16	16	14	12	12
<b>polisher</b>					
570, 186.....	16	16	14	12	12
<b>radial saw</b>					
1½ HP 115 V 1 phase.....	14	14	12	10	8
2 HP 115 V 1 phase.....	10	10	8	8	6
2 HP 230 V 1 phase.....	14	12	10	10	8
3 HP 115 V 1 phase.....	8	8	6	6	4
3 HP 230 V 1 phase.....	12	10	10	8	6
2 HP 220 V 3 phase.....	16	16	14	12	10
3 HP 220 V 3 phase.....	16	14	12	10	8
5 HP 220 V 3 phase.....	10	10	8	6	6
7½ HP 220 V 3 phase.....	12	10	10	8	6
<b>router</b>					
299.....	14	14	12	10	8
<b>saws</b>					
67, 71, 144.....	16	16	14	12	10
686, 687, 864, 874.....	16	14	12	10	8
77, 177, 698, 884.....	14	14	12	10	8
825.....	14	12	10	10	8
87.....	12	12	10	8	8
107, 117, 127.....	12	12	10	8	6
125.....	16	14	12	12	10
135.....	16	14	12	10	8
<b>shear</b>					
17.....	16	16	16	16	14
231.....	16	16	14	12	10
<b>valve seat grinders</b>					
318.....	16	16	16	16	14
319.....	16	16	16	14	12



## SKIL RADIAL SAWS

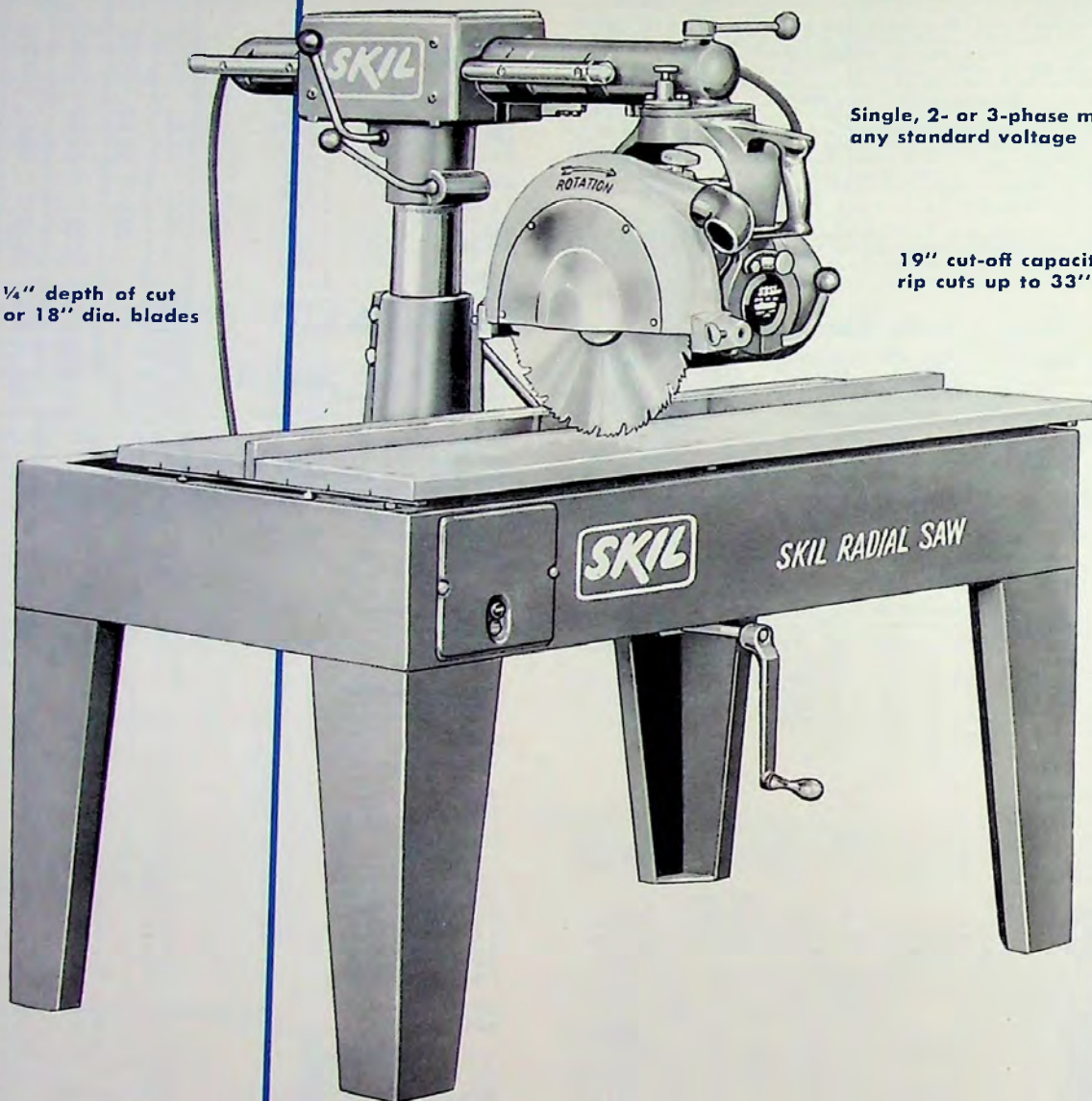
### SKIL RADIAL SAWS WITH EXCLUSIVE "RETRACTO

available in 2, 3, 5 or 7½ H.P. models

Single, 2- or 3-phase motors at  
any standard voltage

3¼" to 5¼" depth of cut  
14", 16" or 18" dia. blades

19" cut-off capacity (25" with long arm)  
rip cuts up to 33"





## GLIDE™ ARM ELIMINATE OVERARM INTERFERENCE

A SKIL Radial Saw is the sure way to increase your sawing production and cut down on costs at the same time. And SKIL offers a broad line to meet your every woodcutting and metalworking need.

SKIL design offers mechanical features unmatched by any other radial saw. Outstanding is the famous SKIL Retracto-Glide arm and supporting head. Because the entire arm moves out of the way at a finger-touch, the Retracto-Glide arm is the secret of your success with a SKIL Radial Saw. It provides clear work area at all times, uninterrupted vision of work and easy layout...cuts set-up time, adds

to safety. You stand right up to the work on the saw table. And its exclusive design permits full accuracy to be maintained throughout the entire life of the machine. SKIL Retracto-Glide arm is unequalled for ease of operation and flexibility of use.

Look over the other important features to consider in buying radial saw equipment...as explained below. For safety, durability of construction, motors, controls and accessories—you'll find SKIL offers an advantage for each! Ask your distributor for a demonstration of how to eliminate cutting bottlenecks with a SKIL Radial Saw.



**widely spaced bearings**—8 extra-large, grease-sealed ball bearings in supporting head are widely spaced for more rigid support of radial arm. Three bearings are on fixed pins, 5 on cam pins for easy adjustment, if necessary.



**arm glides** on precision-ground, hard chromed stress-proof steel rails for smooth operation, longer bearing life. Rails give Retracto-Glide arm lifetime rigidity, accuracy. Felt wipers, front and rear, keep rails clean to prevent wear.



**SKIL work table**—unlike other work tables—entire SKIL work table surface is free of overarm obstruction with arm in rear position. Perfect for ripping where working the length of table is done without overarm interference!



**bearings** that support Retracto-Glide arm have hardened steel tires and are located in a natural, vertical load-bearing position. Radial thrust load is absorbed by special "V"-shaped tires on lower front and upper rear bearings on left side.



**taper pin locks** on miter, bevel and rip finder latches assure 100% accurate settings throughout entire life of SKIL Radial Saws. Taper pins wear-in evenly all around so that finder latches always locate saw at exact angle indicated.



**convenient controls**—all adjustment and locking knobs are conveniently placed for ease of operation and quick register. Scale markings are large and highly visible—a valuable aid to operator; no time lost on job changeovers.



**nickel-chrome iron column** is machined and ground to "micro" accuracy for smoothest action. Column is of unusually large diameter and is anchored in wide, sturdy base—assuring complete stability on all wood and metalcutting operations.



**safety**—SKIL Radial Saws offer exclusive wrap-around upper blade guard, anti-kickback arm and articulated lower blade guard (latter optional at extra cost) for full protection. Upper guard is further described in another paragraph below.



**motors** are all direct drive, totally enclosed (except on Models 45082, 45083 and 45084) with self ventilation for most efficient cooling. Sealed, anti-friction ball bearings are used throughout. Motors maintain high speed under load.



**one-piece saw guard** protects saw operator at all times. Guard can be removed or replaced within seconds, in just one easy operation without any tools. No loose parts that might be lost in sawdust. Gives complete protection.



**switches** on SKIL Radial Saws are conveniently located on table front. Start-stop buttons are recessed to prevent accidental starting or stopping. Available with either manual or magnetic starters (latter optional at extra cost).



**table board clamp**—two quick-acting levers make positioning of table boards quick and easy. Front board is bolted to saw table frame. Fence and remaining boards may be located in any combination to fit your particular sawing job.



# SKIL RADIAL SAWS



2 h.p., 1-phase  
3 h.p., 3-phase



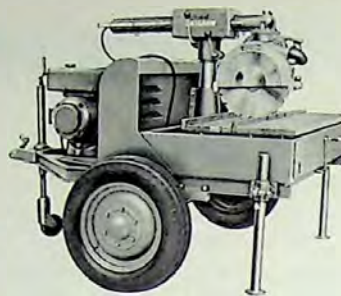
3 h.p., 1-phase  
5 h.p., 3-phase



5 h.p., 1-phase  
7 1/2 h.p., 3-phase

## general specifications—SKIL radial saws

cut-off capacity: standard arm, 19"; optional long arm, 25". maximum depth of cut: 3 1/4" with 14" blade; 4 1/4" for 16" blade; 5 1/4" with 18" blade. rip capacity: standard arm, 33"; optional long arm, 39". speed: 3450 r.p.m. at 60 cycles; 2850 r.p.m. at 50 cycles. size of frame: 4', 4 1/2" long x 2', 6 1/2" wide x 2', 8" high. arbor hole: 1" diameter, dado capacity: 1 1/2". floor space required, maximum: 4 1/2' x 5'. net weight: 475 lbs. (approximate). cubic contents: 41.6 cubic feet. shipping weight: 567 lbs.



## SKIL radial saw motor-generator unit

Model 461—2 H.P., 3-phase, 3 1/4" depth of cut.  
Model 462—3 H.P., 3-phase, 4 1/4" depth of cut.

This completely self-contained unit consists of SKIL Radial Saw and motor-generator mounted on a heavily built trailer. Attached to standard hitch in seconds...goes anywhere, works anywhere.

Furnished complete with standard disc wheels and tires, large sawdust shield, two retractable table supports, universal hitching socket, third wheel with screw-type trailer leveling adjustment.

### specifications

output: 60 cycle A.C. Supplies 220 volt, 3-phase current for radial saw, plus 115 volt, 1-phase outlet for other electrical equipment.

motor: Two cylinder opposed, 4-cycle, air-cooled, internal combustion type.

starting control: Manual.

net weight: 1300 lbs. (approximately).

shipping weight: 1300 lbs. (approximately).

tire size: 5.50 x 16.



## trailer (only)—for SKIL radial saws

A light-duty trailer (only) of similar design to unit above, but without motor-generator set. Contact your local SKIL Branch Office for specifications and price.

## order information—specifications

model	blade dia., in.	depth of cut., in.	horse power	voltage	cycle	phase	switch
45001	14	3 1/4	2	115/230	60	1	*Manual
45008	16	4 1/4	3	220/440	60	3	*Manual
45002	16	4 1/4	3	115/230	60	1	*Manual
45009	18	5 1/4	5	220/440	60	3	*Manual
45082	18	5 1/4	5	230	60	1	Magnetic
45083	18	5 1/4	7 1/2	220/440	60	3	Magnetic

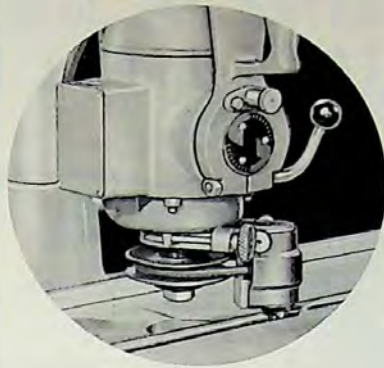
MODIFICATIONS available on special order and at change in price indicated:

\*Magnetic switch available at extra cost per price list. Long arm for 25" cut-off capacity at extra cost per price list. Radial Saw less legs deduct per price list. 550-volt motors available for 3-phase models at extra cost. 50-cycle motors available for all but 5 h.p. single phase and 7 1/2 h.p. 3-phase models at no extra cost.

OTHER MODELS such as 2 h.p. 3-phase and 2-phase 3-wire or 2-phase 4-wire are available in various voltages and frequencies, price on request.

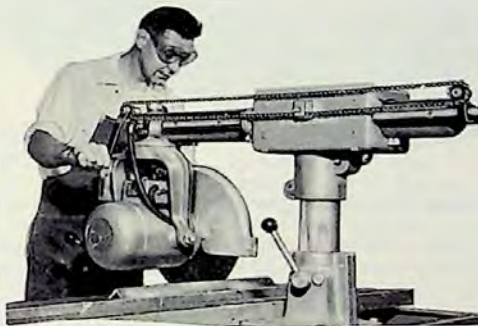


# RADIAL SAW ACCESSORIES



## SKIL router-shaper attachment—no. 11150

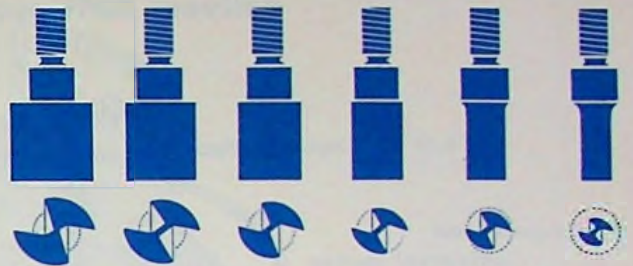
With router bits and shaping cutters listed on this page, almost any stock or custom moulding and decorative trim can be made—on the job. Easily attached or removed in less than five minutes. Pulley ratio increases speed to 12,000 r.p.m. for most efficient work. Equipped with sealed ball bearings, two pulleys, V-belt, guard, threaded arbor and nut for mounting shaping cutters. Router bits screw directly into spindle. Cutter and bits not supplied.



## SKIL chain feed attachment

For safe, precision cutting of wood, stone and metal, SKIL Chain Feed Attachment gives added control of saw blade travel. Specially valuable on heavy cutting operations such as rafter notching and metal cutting with SKIL Flex Cut-off Wheels.

No. 12770—For Series 315, 450 Radial Saws with std. arm.  
No. 17335—for Series 315, 450 Radial Saws with long arm.



## SKIL straight router bits

Made of vanadium tool steel, these router bits will give long, dependable service on production work. Size range shown will handle a majority of all routing jobs.

no.	11653	11654	11653	11652	11651	11650
size	1"	¾"	¾"	¾"	½"	¾"

## SKIL radial saw accessories

no.	description
369	14" metal slitting blade (for cutting non-ferrous metals)
391	14" combination blade (std. equip.)
392	16" combination blade (std. equip.)
13342	18" combination blade (std. equip.)
394	10" dia. dado set to cut 1 1/4" max. Includes inside and outside cutters, one 1/4" chipper, two 1/8" chippers and one 1/4" chipper.
354	1/4" chipper
355	1/8" chipper
364	1/4" chipper
397	14" miter blade
12773	14" carbide-tipped blade
12776	16" carbide-tipped blade
7123	blade wrench (standard equipment)
9896	14" rip blade
9897	16" rip blade
9204	14" lower safety guard
9203	16" lower safety guard
13378	18" lower safety guard
12400	14" flex cut-off wheel, nylon reinforced. Aluminum oxide abrasive for cutting steel, cast iron and hard non-ferrous alloys. See No. 12439 below.
16400	14" flex cut-off wheel, nylon reinforced. Silicon carbide abrasive for cutting concrete, stone-like products and soft non-ferrous alloys. See No. 12439 below.
12439	Aluminum exhaust nozzle. Replaces std. rubber nozzle. Must be used when cutting metals with flex cut-off wheel.

**SKIL shaping cutters** These 3-lip, high speed steel cutters, used in various successive combinations, permit matching many stock mouldings or cutting special, custom designs.

cutter	no., size	cutter	no., size	cutter	no., size
	9888—1/2" straight face cutter		9889—1" face joint bead cutter		9859—1/4" tongue cutter
	9887—1/4" straight face cutter		9884—1" moulding cutter		9882—1" moulding cutter
	9886—1" straight face cutter		9857—1" face joint cove cutter		9883—1" moulding cutter
	9885—1" moulding cutter		9838—1/4" groove cutter		Top view of cutter



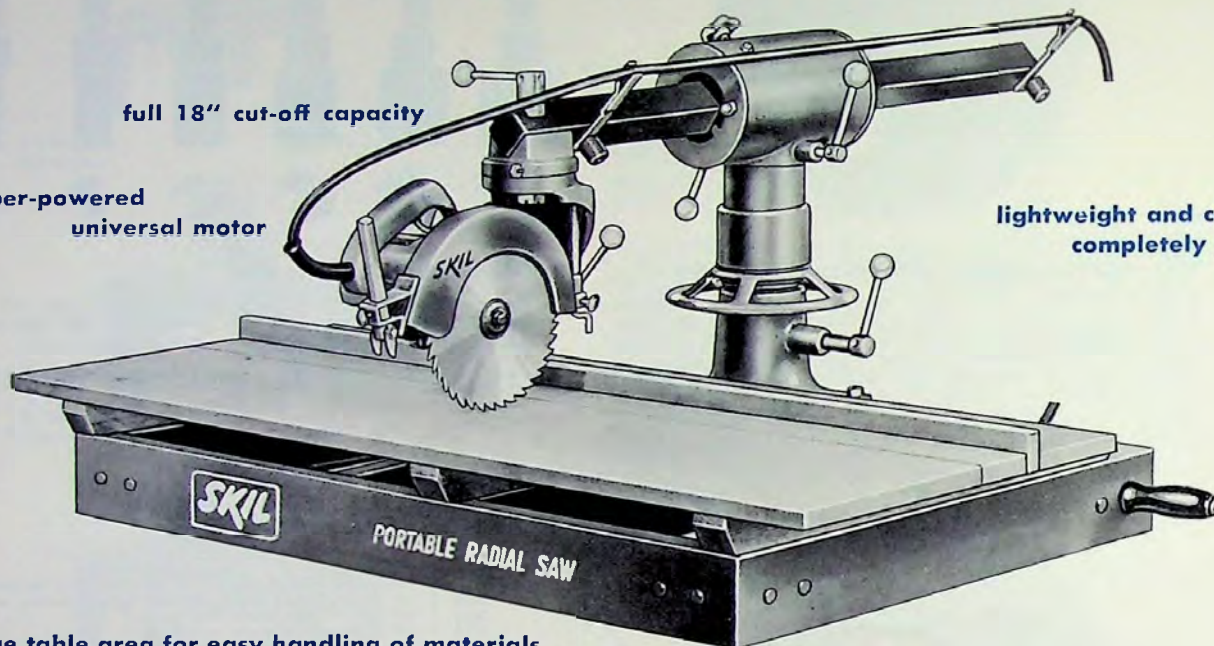
# SKIL PORTABLE RADIAL SAW

## NEW, FULL 1½ H.P. SKIL PORTABLE RADIAL SAW delivers 25% more power to blade

full 18" cut-off capacity

super-powered  
universal motor

lightweight and compact—  
completely portable



large table area for easy handling of materials

### SKIL portable radial saw—model 649

This versatile new Portable Radial Saw outperforms others selling for as much as \$100 more! It has greater power and makes bigger cuts, yet weighs less than any other radial saw in its class. Here's outstanding value for woodworking shops, cabinet makers, sign shops, contractors, builders, as well as other manufacturing firms. Model 649 makes every type of cut through all sizes of lumber used in erecting dwellings, other light construction and in general wood-working. Builders can set it up on the job site to cut all framing, studding and rafters. Carry it inside the structure for fast cutting on all trim work. With proper blades, SKIL Portable Radial Saw also cuts stone, tile, masonry, metals, asbestos and other materials. Here's a real "work horse" for fast, continuous cutting at today's lowest price.

equipment: Cross-cut blade, blade wrench, 3-wire cord with connector, anti-kickback device, carrying handles.

specifications: model 649.

motor rating: 1½ h.p. free speed: 5700 r.p.m. blade diameter: 8¼", depth of cut: 3-1/16", cut-off capacity: 18", rip capacity: to center of 48" panel. table size—width: 47¾", depth: 20½". net weight: 169 lbs. shipping weight: 260 lbs.

### accessories—SKIL portable radial saw

No. 16792—Set of 4 steel legs to convert model 649 to stationary installation in cabinet or woodworking shops, or for permanent support on building sites.

No. 13581—Lower Safety Guard. A floating guard that affords maximum protection. Easily attached to power unit; simple to detach for shaping, drum sanding.

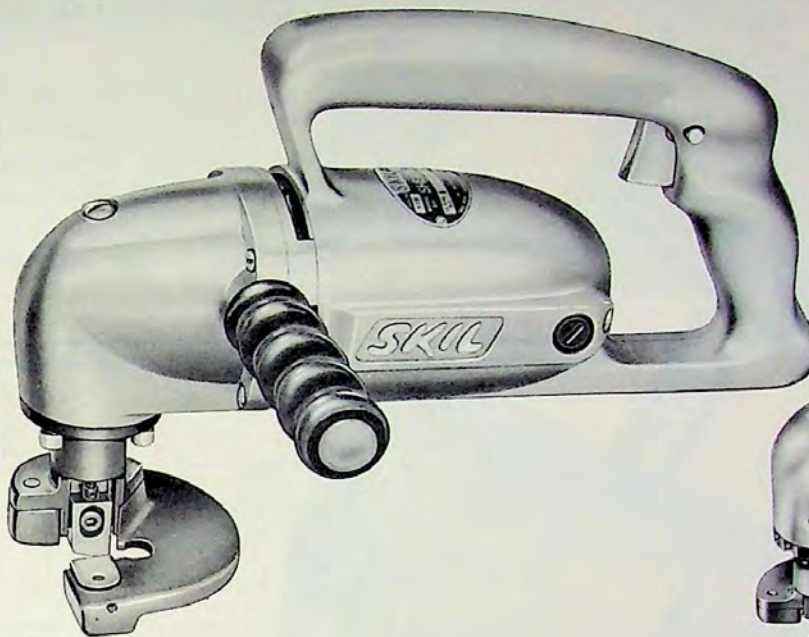
Saw blades for Model 649—See Pages 10, 11 for listing of 8¼" blades in various cutting types.



No. 13370 Sander-Shaper Kit for SKIL Portable Radial Saw. Includes expanding rubber drum and 10 sanding belts of 4 assorted grits; 3 high speed steel shaping cutters; mounting arbor and 4 spacing washers. (See preceding page for a big variety of shaping cutters for most any stock or custom moulding and decorative trim.)



## POWERFUL SKIL SHEARS CUT A VARIETY OF SHEET METALS



### SKIL 12-gauge shear—model 231

You'll want to see this tool in actual operation! It's designed for cutting in a broad range of sheet metals...hot rolled steel up to 12 gauge, and other metals (harder and softer) in proportion. High powered and fast cutting, Model 231 is ideal for use in sheet metal shops, auto body shops and in the building trades. For this power, its net weight of only 12 pounds makes it amazingly easy to operate at any angle, on all cutting jobs.

This heavy-duty SKIL Shear provides great, new features for comfort and efficiency. Exclusive "Contour Handle" at rear of the tool has trigger switch located where it's most needed for easy handling in any cutting position. Conveniently located side handle affords additional control. And the cutting head permits a minimum radius of  $1\frac{1}{2}$ ". Exclusive two-piece foot design cuts foot maintenance costs over 50%. A blade sharpening fixture is available at extra cost (see below).

#### equipment, model 231

Set of blades, wrenches, 3-wire cord and connector, removable side handle for right or left hand use.

specifications—capacity: 12-gauge hot rolled steel. Harder and softer metals in proportion. minimum cutting radius:  $1\frac{1}{2}$ ". motor: Universal, D.C. or A.C. up to 60 cycles. voltage: Standard, 115. Furnished on order for 220 and odd voltages at no extra charge. switch: Momentary contact trigger type, with locking pin. speed: 2500 strokes per minute, no load. bearings: All anti-friction bearings including double-row ball bearings on eccentric shaft. length overall: 13 in. net weight: 12 lbs. shipping weight: 14 lbs.

No. 10711—Replacement moving blade.

No. 10710—Replacement fixed blade.



### SKIL 16-gauge shear—model 17

For cutting sheet metal...hot rolled steel up to 16 gauge, and other materials in proportion...the Model 17 is a rugged, job-proved performer. It has many features of larger shears. Deflector plate minimizes curling of metal while cutting. Cutting head permits minimum cutting radius of 1". Model 17 is light in weight and easy to handle at any angle.

Compact body of this tool eliminates need of handle, permitting complete control in any position.

#### equipment, model 17

Set of blades, necessary wrenches, 3-wire cord and connector.

specifications—capacity: 16-gauge hot rolled steel. Harder or softer metals in proportion. minimum cutting radius: 1". motor: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Odd voltages at no extra cost. switch: Enclosed double-pole slide switch. speed: 1500 strokes per minute at no load. bearings: All anti-friction bearings throughout. length overall: 9" net wgt.:  $5\frac{3}{4}$  lbs. shipping wgt.:  $7\frac{1}{4}$  lbs.

No. 4076—Replacement vertical moving shear blade.

No. 4078—Replacement stationary shear blade.

### SKIL blade sharpening fixture —no. 11316

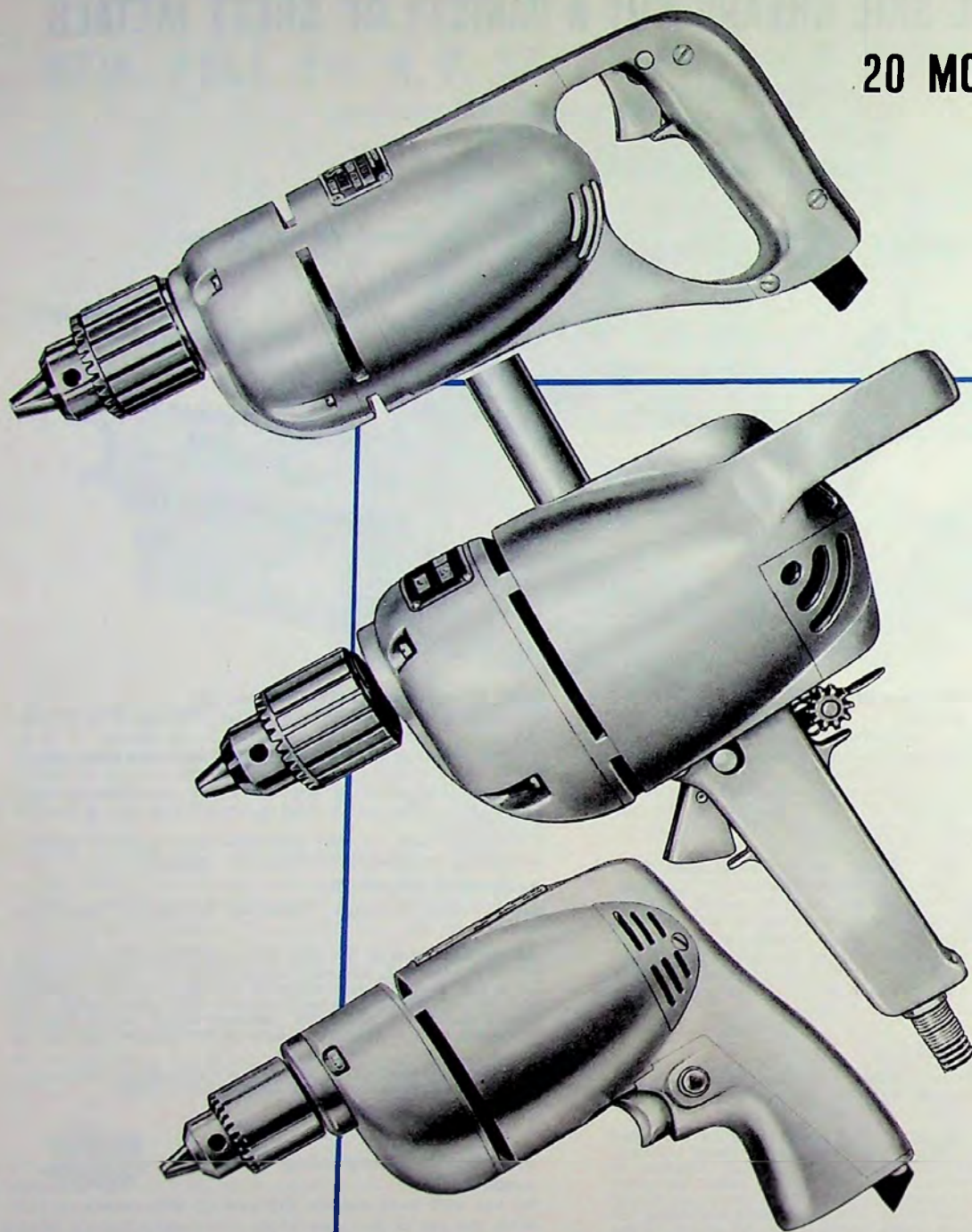
for use with both models 231 and 17 SKIL shears

With the aid of this new blade sharpening fixture, blades for either model SKIL Shear can now be ground quickly and accurately to the correct cutting angle. Fixture operates simply by gliding along any bench grinder tool rest. Illustration shows pair of blades mounted in fixture, ready for sharpening.





20 MODELS TO SOLVE

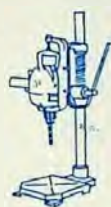




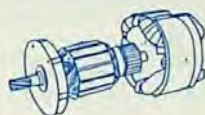
## EVERY DRILLING PROBLEM; STEP UP PRODUCTION, CUT JOB TIME!

Whatever the field... industrial, construction or automotive; whatever the job... production, installation, maintenance or repair... there's a SKIL Drill ready to serve you, built to highest professional standards. Every detail of design and construction reflects the ultimate in precision manufacturing.

With 20 models to choose from, you'll always get the right drill for the job. Optional speeds are available on many models to meet special drilling requirements. Capacities range from  $\frac{1}{4}$ " to 1" in steel, up to 2" in hardwood. The highlights below quickly tell why SKIL Drills give fast, efficient, low-cost performance.



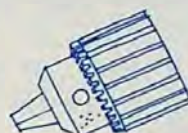
**drill stands** are available to convert SKIL Drills to a stationary drill press for greater accuracy in drilling small parts. Stands have sturdy cast base, heavy column, rack and pinion gearing for high leverage.



**heavy-duty motors** in SKIL Drills are specially built by the most experienced motor manufacturer in the U. S. to give each drill the right power and speed for its job! Efficient cooling fans prevent overheating.



**precision gears**—All SKIL Drills are fitted with precision-made gears of helical or spur types. These provide utmost efficiency, greater tooth strength and maximum contact area for quieter operation, longer tool life.



**geared chucks** for SKIL Drills are of highest quality for speedy drill bit engaging or disengaging. On many models (see tables, pp. 20-24), keyless chucks and Morse taper sockets may be ordered.



**handle types** available with SKIL Drills are tailored to fit a variety of production jobs. Pistol grip is compact, comfortable for light work. "D" Handle and spade handle types are perfect for heavier jobs.



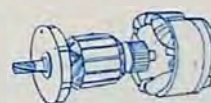
**trigger-type switches** on all drills feature enclosed double-pole construction with instantaneous contact. These super-duty, high capacity switches are designed with a wide safety margin to prolong service life. Trigger lock available.



**chuck key holder** holds chuck key in handy, convenient location on drills with geared chucks. Clip or holder secures key firmly—keeps it ready for each bit change, no hunting or searching! Larger drills have key clip right on tool.



**die-cast housings**—Pioneered by SKIL, die-cast aluminum alloy housings give maximum strength yet permit lightweight, sure grip. Satin-smooth finish gives long-lasting beauty, makes drill easy to keep clean.



**reversing motors** are offered at extra cost in many larger capacity Drill models for quick, easy back-out of bits (see Pages 24 & 25). Morse taper arbors are provided on all reversing models in sizes to match drill capacities.



**bearings**—Heavy Duty SKIL Drills have ball and needle roller bearing construction for utmost strength, unmatched ruggedness and longer tool life. Others utilize oil-impregnated sleeve and needle types.



# SKIL DRILLS

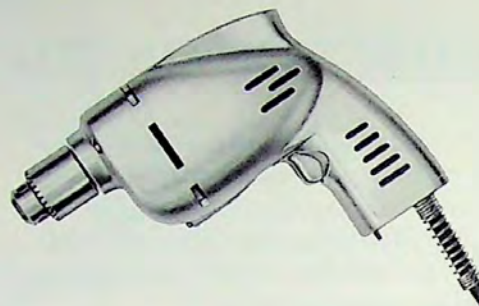


## SKIL 1/4" compact heavy duty drill—model 75

Greater power makes this the ideal drill for all types of production work and for constant, heavy duty installation jobs. Built to handle toughest drilling jobs and to increase output on every operation. Sturdily built with precision gears, 3 heavy duty ball bearings and 3 needle roller bearings. Standard speed of 1800 r.p.m. is excellent for general utility jobs. Optional speeds also available.

specifications: capacity in steel 1/4", cap. in wood 1/2", std. speed 1800 r.p.m., optional speeds—no extra cost 2500, 3500, 5000 r.p.m.; optional speeds—extra cost 500, 750, 1000 r.p.m.; length overall 7 1/4 lbs., net weight 3 1/4 lbs., shipping weight 4 1/2 lbs.

Available with keyless chuck at extra cost



## SKIL 1/4" special duty drill—model 161

Here's an all-purpose drill with ample power for hundreds of light duty jobs. Built for lasting dependability, its special compact design gives easiest handling in any position. Meets every need for intermittent shop use. Has 4 oil-impregnated sleeve bearings and 1 thrust ball. Standard speed is 2000 r.p.m. Compact, lightweight body allows easy working in any position...firm effortless handling with comfortable pistol grip.

specifications: capacity in steel 1/4", cap. in wood 1/2", std. speed 2000 r.p.m., length overall 8", net weight 3 1/2 lbs., shipping wt. 4 lbs.

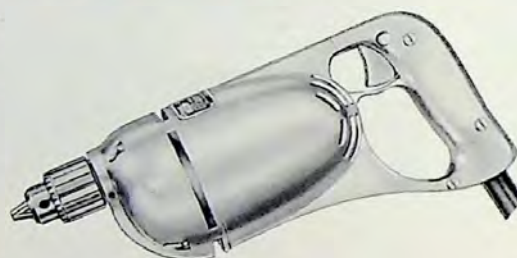
Available with keyless chuck at extra cost



## SKIL 1/4" special duty drill—model 241

Unusually low priced, this quality-designed drill has many engineering features found only in the highest priced models. It's excellent for intermittent use where rear handle design is desired. Recommended by electricians, plumbers, auto mechanics and installation men. Has 4 oil impregnated sleeve bearings, 1 thrust ball and precision gears. Standard speed of 2250 r.p.m. Powerful motor.

specifications: capacity in steel 1/4", cap. in wood 1/2", std. speed 2250 r.p.m., lgth. overall 11 1/4", net wt. 4 3/4 lbs., shipping wt. 6 lbs.



## SKIL 1/4" heavy duty drill—model 243

Powered and geared for continuous heavy duty drilling on production lines...or for constant use in maintenance and repair work. Gives peak performance where lower quality tools might overload. Model 243 has 3 ball bearings, 3 needle roller bearings, hardened precision gears plus a powerful motor. Drills up to 1/4" in steel, 1/2" in hard woods.

specifications: capacity in steel 1/4", cap. in wood 1/2", std. speed 2000 r.p.m., lgth. overall 11 1/8", net wt. 5 3/4 lbs., shipping wt. 7 3/4 lbs.

Available with keyless chuck at extra cost

### comparative specifications

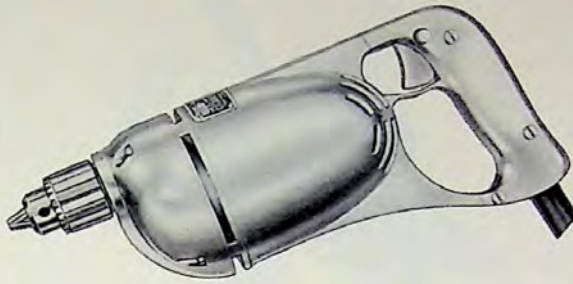
equipment, all models: Geared chuck with key holder or clip; 3-wire cord and connector.

general specifications—motors: Universal, D.C. or A.C. up to 60 cycles.

voltages: Standard 115, Furnished on order for 220 and odd voltages at no extra cost. switches: Enclosed double pole, momentary contact trigger switches.

model no.	duty rating	cap. in steel, inches	cap. in wood, inches	std. speed no-load r.p.m.	optional speeds		full load speed, r.p.m.	length overall, inches	net weight, lbs.
					no extra cost r.p.m.	extra cost r.p.m.			
75	heavy	1/4	1/2	1800	2500, 3500, 5000	500, 750, 1000	1100	7 1/4	3 1/4
161	special	1/4	1/2	2000	—	—	1200	8	3 1/2
241	special	1/4	1/2	2250	—	—	1300	8 1/4	4 3/4
243	heavy	1/4	1/2	2000	—	—	1200	11 1/4	5 3/4



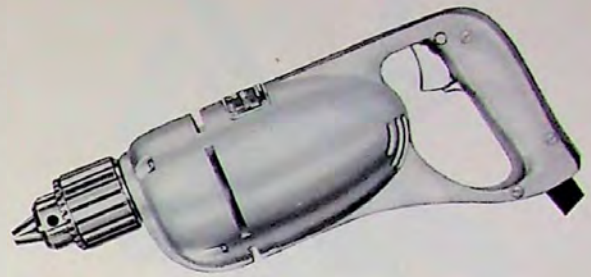


## SKIL 5/16" heavy duty drill—model 253

Equipped with oversized motor that supplies extra power for constant production work. Model 253 has compact, lightweight design that makes it ideal for day-long use. Precision ball and needle roller bearings and helical gears insure long life and cut maintenance costs to an absolute minimum. Quality built throughout.

specifications: capacity in steel 5/16", cap. in wood 3/8", std. speed 1500 r.p.m., optional speed—extra cost 1000 r.p.m., length overall 11 7/8", net weight 6 1/2 lbs., shipping weight 8 lbs.

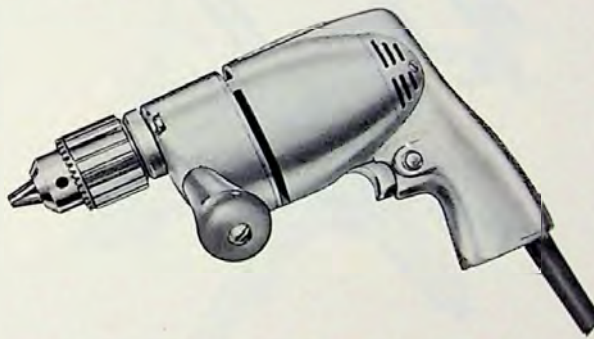
Available with keyless chuck at extra cost



## SKIL 3/8" special duty drill—model 260

Here's the ideal choice for small plants and shops where jobs require a drill with all-around ability. It drills up to 3/8" in steel, and may also be used for light production work. Inexpensively priced for a drill of this capacity. Lighter than many drills of less capacity. Has 2 ball, 3 needle roller and 1 oil-impregnated sleeve bearing and precision-cut helical gears.

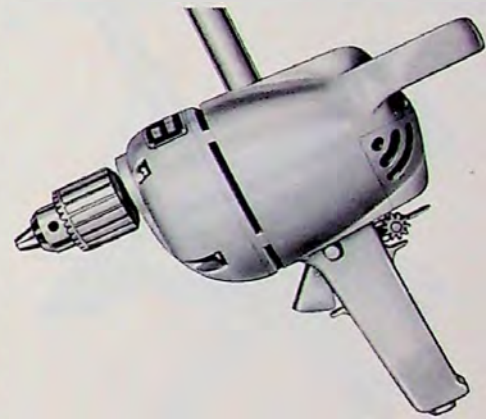
specifications: capacity in steel 3/8", cap. in wood 3/4", std. speed 750 r.p.m., length overall 12 1/8", net weight, 6 1/4 lbs., shipping wt. 7 1/2 lbs.



## SKIL 3/8" compact standard duty drill—model 78

Lightweight and compact, it can't be beat for general-purpose drilling in steel up to 3/8", boring in wood up to 7/8". Model 78 has the extra chuck capacity so often wanted in a smaller drill. Produces high torque at 750 r.p.m. for tough drilling jobs. Auxiliary side handle is removable. Quality built with 5 ball and 3 needle roller bearings, hardened precision-cut spur type gears.

specifications: capacity in steel 3/8", cap. in wood 7/8", std. speed 750 r.p.m.; optional speeds—no extra cost 500, 1000 r.p.m.; length overall 8 3/4", net weight 4 1/4 lbs., shipping weight 5 lbs.



## SKIL 3/8" heavy duty drill—model 64

This high-capacity drill is unmatched for drilling up to 3/8" in metal or up to 1" in wood. Spade handle and removable pipe handle provide solid grips for heavy pressure drilling. Used by machinery manufacturers, heavy steel fabricators and other industries for heavy work. Has 3 ball and 3 needle roller bearings, helical gears.

specifications: capacity in steel 3/8", cap. in wood 1", std. speed 750 r.p.m., length overall 11 1/4", net weight 8 1/2 lbs., shipping wt. 10 1/4 lbs.

Available with keyless chuck at extra cost

### comparative specifications

equipment, all models: Geared chuck with key holder or clip; 3-wire cord and connector. Model 78 has removable auxiliary side handle. Model 64 has detachable pipe handle.

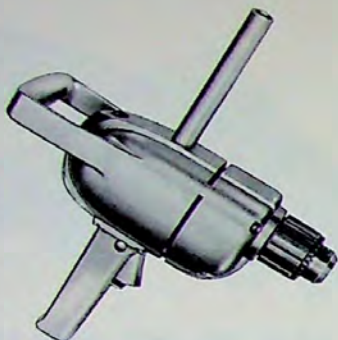
general specifications—motors: Universal, D.C. or A.C. up to 60 cycles.

model no.	duty rating	cap. in steel, inches	cap. in wood, inches	std. speed no-load r.p.m.	optional speeds		full load speed, r.p.m.	length overall, inches	net weight, lbs.
					no extra cost r.p.m.	extra cost r.p.m.			
253	heavy	5/16	3/8	1500	—	1000	900	11 7/8	6 1/2
260	special	3/8	3/4	750	—	—	450	12 1/8	6 1/4
78	standard	3/8	7/8	750	500, 1000	—	450	8 3/4	4 1/4
64	heavy	3/8	1	750	—	—	450	11 1/4	8 1/2

voltages: Standard, 115. Furnished on order for 220 and odd voltages at no extra cost. switches: Enclosed double pole, momentary contact trigger switches.



# SKIL DRILLS



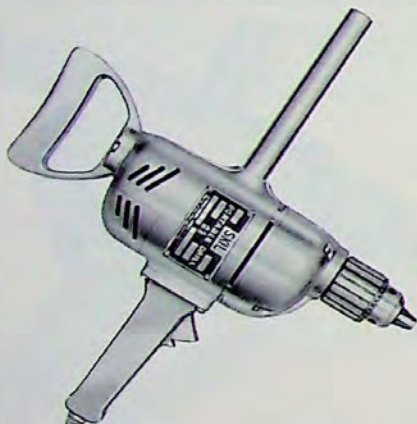
## SKIL 1/2" special duty drill—model 181

Here's a low-priced drill that offers real quality and unparalleled ruggedness for intermittent work. Model 181 is a favorite of plumbers, electricians and many others who need a powerful drill of this capacity. Also used with hole saws for cutting up to 3" dia. holes in thin materials. Has 1 thrust ball, 6 oil-impregnated sleeve bearings, spur gears. specifications: capacity in steel 1/2", cap. in wood 1", std. speed 500 r.p.m., length overall 12 1/2", net weight 7 lbs., shipping wt. 9 1/2" lbs.



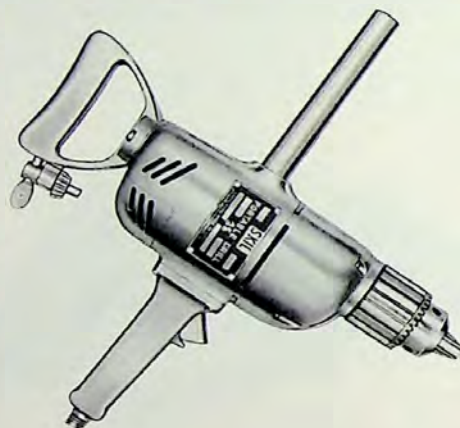
## SKIL 1/2" standard duty drill—model 80

One of the most popular drills ever made, Model 80 has helical gears that supply quiet, dependable power transmission. 3 ball and 3 needle roller bearings provide smooth operation, long life. Compact, streamlined design and extra power make it the best choice for general use everywhere. specifications: capacity in steel 1/2", cap. in wood 1 1/4", std. speed 450 r.p.m., length overall 11 1/2", net wt. 8 1/2 lbs., shipping wt. 10 1/2 lbs.



## SKIL 1/2" heavy duty drill—model 283 (model 351, reversing)

This power-packed drill handles all heavy duty drilling up to 1/2" in steel, 1 1/2" in hardwood. It's extremely compact and easy to handle in any position. Most often selected by boiler shops, truck body builders, builders, railroads, machine shops and other heavy industries. With 6 heavy-duty, self-lubricating ball bearings and precision-cut spur gears, it's quality built throughout. specifications: capacity in steel 1/2", cap. in wood 1 1/2", std. speed 550 r.p.m., optional speed—extra cost 1000 r.p.m., length overall 15", net weight 13 lbs., shipping weight 15 lbs.



## SKIL 3/8" special duty drill—model 2101

Low spindle speed of this drill provides high torque for top performance in boring heavy timbers or for drilling tough alloy metals. Recommended for intermittent duty in construction, plant maintenance and general repair work. Extremely light in weight for its power and size. Sturdy construction includes 3 heavy-duty ball and 5 oil-impregnated sleeve bearings, precision spur gears. specifications: capacity in steel 3/8", cap. in wood 1 1/4" std. speed 300 r.p.m., length overall 15 3/4", net wt. 14 1/4 lbs., shipping wt. 16 1/4 lbs.

### comparative specifications

equipment, all models: Geared chuck with key holder or clip; 3-wire cord and connector; detachable pipe handle. Models 283 and 2101 have adjustable spade handle in addition. general specifications—motors: Universal, D.C. or A.C. up to 60 cycles.

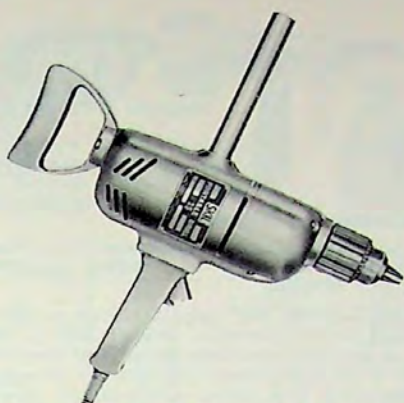
voltages: Standard, 115. Furnished on order for 220 and odd voltages at no extra cost. switches: Enclosed double pole, momentary contact trigger switches.

model no.	reversing model no.	duty rating	cap. in steel, inches	cap. in wood, inches	std. speed no-load r.p.m.	optional extra cost r.p.m.	full load speed, r.p.m.	length overall, inches	net weight, lbs.
181	—	special	1/2	1	500	—	300	12 1/2	6 3/4
80	—	standard	1/2	1 1/4	450	—	275	11 1/2	8 1/2
283*	351*	heavy	1/2	1 1/2	550	1000	350	15	13
2101**	—	special	3/8	1 1/4	300	—	200	15 3/4	14 1/4

\*Available with No. 1 or No. 2 Morse taper socket in place of geared chuck at no extra cost. \*\*Available with No. 2 Morse taper socket in place of geared chuck at no extra cost.



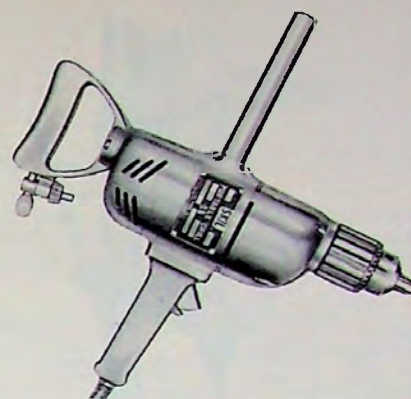
# SKIL DRILLS



**SKIL 5/8" heavy duty drill—model 2103  
(model 572, reversing)**

A real "brute," this drill handles all tough drilling up to 5/8" in steel and up to 1 1/2" in hardwood. Built for continuous use, it has perfect balance plus scientifically placed handles that provide exceptionally easy control.

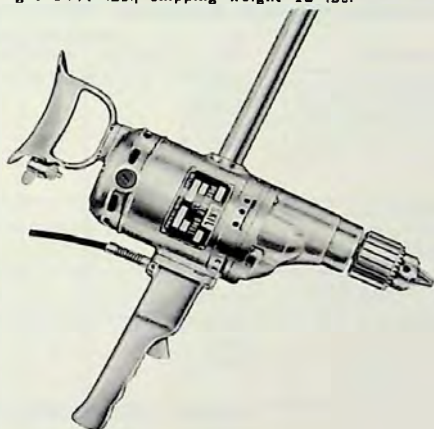
specifications: capacity in steel 5/8", cap. in wood 1 1/2", std. speed 450 r.p.m., optional speed—extra cost 1000 r.p.m., length overall 16 1/8", net weight 14 1/4 lbs., shipping weight 18 lbs.



**SKIL 3/4" special duty drill—model 2121**

For big jobs where power is important, this SKIL DRILL can't be beat! It handles a wide variety of drilling and reaming jobs in metal or wood. With slow spindle speed of 250 r.p.m., it produces extremely high torque. Exceptionally light in weight for its tremendous power output.

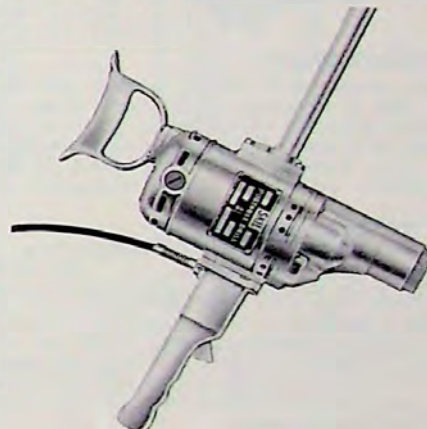
specifications: capacity in steel 3/4", cap. in wood 1 1/2", std. speed 250 r.p.m., length overall 16 1/8", net weight 15 lbs., shipping weight 17 1/2 lbs.



**SKIL 3/4" heavy duty drill—model 123  
(model 332, reversing)**

Tremendous power and the truly rugged construction of this drill guarantee top performance on all heavy duty work. It is widely used with wood augers for deep boring in timbers, as well as with twist drills for steel. Quality built to insure years of constant, dependable service.

specifications: capacity in steel 3/4", cap. in wood 2", std. speed 375 r.p.m., optional speeds—no extra cost 300, 450 r.p.m., optional speed—extra cost 1000 r.p.m., length overall 20", net weight 27 1/4 lbs., shipping weight 38 1/2 lbs.



**SKIL 1" heavy duty drill—model 163  
(model 443, reversing)**

Here's a drill designed for the most severe service. It drills up to 1" in steel. No. 3 Morse Taper socket is recessed into drill's gear housing to reduce length, provide better balance, increase control. Control is also aided by long switch handle and pipe extension handle.

specifications: capacity in steel 1", std. speed 375 r.p.m., optional speeds—no extra cost 225, 300, 450 r.p.m., length overall 18 3/8", net weight 25 1/2 lbs., shipping weight 29 lbs.

## comparative specifications

equipment, all models: Adjustable spade handle; detachable pipe handle 3-wire cord and connector. Geared chuck with key clip on Models 2103, 2121, 123. Model 163 equipped with No. 3 Morse taper socket.

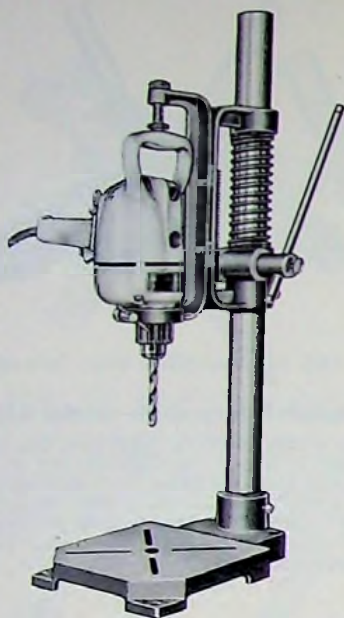
general specifications—motors: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Furnished on order for 220 and odd voltages at no extra cost. switches: enclosed double pole, momentary contact trigger switches.

model no.	reversing model no.	duty rating	cap. in steel, inches	cap. in wood, inches	std. speed no-load r.p.m.	optional speeds		full load speed r.p.m.	length overall, inches	net weight, lbs.
						no extra cost r.p.m.	extra cost r.p.m.			
2103*	572*	heavy	5/8	1 1/2	450	—	1000	275	16 1/8	14 1/4
2121*	—	special	3/4	1 1/2	250	—	—	130	16 1/8	15
123**	332**	heavy	3/4	2	375	300, 450	1000	225	20	27 1/4
163	443	heavy	1	—	375	225, 300, 450	—	225	18 3/8	25 1/2

\*Available with No. 2 Morse taper socket in place of geared chuck at no extra cost. \*\*Available with No. 2 or No. 3 Morse taper socket in place of geared chuck at no extra cost.



# DRILL ACCESSORIES



## SKIL drill bench stands

Quality built, sturdy drill stands quickly convert any SKIL Drill into a stationary drill press. These stands greatly increase accuracy in drilling small parts and are ideal for hole saw work. Rack and pinion gearing produces great feed pressure with little effort. Unusually heavy base casting and column provide maximum rigidity.

**No. 6401**—For Model 45, 47, 75, 161 SKIL Drills.

**No. 6402**—For Model 241, 242, 243, 244, 250, 253, 260 SKIL Drills.

**No. 6403**—For Model 64, 80, 181, 281 SKIL Drills.

**No. 4870**—For Model 103, 123, 143, 163 SKIL Drills.

**No. 9480**—For Model 283 SKIL Drill.

**No. 9490**—For Model 2101, 2103, 2121 SKIL Drills.

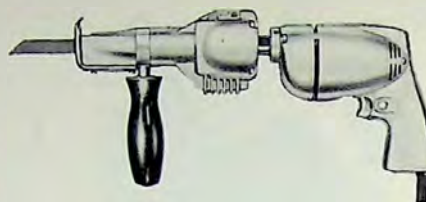
## specifications—drill bench stands

part numbers:	6401	6402 6403	4870 9480 9490
vertical adjustment of column	14"	14"	16"
maximum travel of drill head	4"	4"	5"
drilling radius from column center	7"	7"	8"
leverage ratio	20:1	20:1	26:1
shipping weight	47	46	95



## SKIL drill post stand brackets

Brackets will convert any SKIL Drill Bench Stand into a practical Post Drill Stand. Fits all bench stands listed. **No. 6435** (set of 2), shipping weight 7 lbs.



## SKIL hacksaw attachment

Converts your drill for fast sawing and filing. Uses special purpose blades listed below or standard hacksaw blades, full or broken lengths.

New design features 360° adjustable or removable side handle. Used on any portable drill of 1800 to 3500 r.p.m. Attaches to drill by removing chuck and screwing direct to spindle, or by using drive pin adapter to operate from chuck. Equipped with drive pin adapter, steel cutting blade and fittings. Net weight, 3½ lbs.

**Model 119**—fits SKIL Drill Models 45, 47, 49 and 75; all SKIL Pneumatic Drills; other makes with 3/8"-24 thread spindle. Shipping weight, 4 lbs.

**Model 179**—fits SKIL Drill Models 242, 243, and other makes with 1/2"-20 thread spindle. Shipping weight, 4 lbs.

## SKIL blades for SKIL hacksaw attachments

description	part no.	no. teeth per in.	length, inches	width, inches	gauge, inches
<b>ALL PURPOSE</b> —for wood, plaster, non-ferrous metals. Also for light gauge metals, wood and nails, etc.	<b>13404</b>	10	3	3/8	.032
	<b>13405</b>	10	5	3/8	.032
	<b>13406</b>	18	3	3/8	.032
	<b>13407</b>	18	5	3/8	.032
<b>WOOD CUTTING</b> —also for plywood, composition, asbestos, asphalt, etc.	<b>13414</b>	6	6	3/8	.049
	<b>13415</b>	10	6	3/8	.049
<b>WOOD SCROLL</b> —for contours.	<b>13416</b>	10	4	3/8	.049
<b>METAL CUTTING</b> —18-tooth, heavy material and non-ferrous metals; 24-tooth, general purpose; 32-tooth, thin materials.	<b>13408</b>	18	5	1/2	.032
	<b>13409</b>	24	5	1/2	.032
	<b>13410</b>	32	5	1/2	.032
<b>METAL SCROLL</b> —same as above, but for contour work.	<b>13411</b>	18	3	1/4	.032
	<b>13412</b>	24	3	1/4	.032
	<b>13413</b>	32	3	1/4	.032

(See price list for quantity discounts.)



## SKIL feed screw attachment

Used where space prevents hand feeding of drill. Furnished complete with adapter. Maximum adjustment, 2½".

**No. 2380**—Fits Models 103, 123, 143, 163.

**No. 3480**—Fits Models 63, 82, 83, 283, 101, 2101, 102, 2103, 121, 2121, 141.



# DRILL ACCESSORIES

## SKIL drill geared chucks

Here are top quality geared chucks—the finest obtainable. For best performance, replace worn chucks with original equipment.



for drill model nos.	spindle and thread size	chuck and key	key and key holder	key only
241	3/8"-24	1751	....	1752
242, 243, 244	1/2"-20	1754	3385	....
45, 47, 49, 75, 161	3/8"-24	1773	3385	....
250, 253	1/2"-20	1757	3387	....
64	1/2"-20	1760	....	1761
260	1/2"-20	4423	3766	....
80, 181, 281	1/2"-20	1771	....	1761
283	3/4"-16	4424	9032	....
101, 102, 103	3/4"-16	1764	....	1775
2101, 2103	3/4"-16	4425	9032	....
121, 2121, 123	3/4"-16	1765	....	1766
332, 573	#3 Jacobs taper	1772	....	1766
351	#6 Jacobs taper	4426	9032	....
571, 572	#3 Jacobs taper	4427	9032	....
269, 78	3/8"-24	11237	11238	....

For users who prefer the convenience of keyless chucks, the numbers listed in table below may be ordered for drill model numbers shown.

part no.	chuck capacity	spindle	for models
1756	1/4"	1/2"-20	242, 243, 244
1759	3/8"	1/2"-20	250, 253
1762	3/8"	1/2"-20	64, 260
1784	1/4"	3/8"-24	45, 47, 49, 241, 75, 161

## SKIL chuck protector

Prevents entanglement of clothing or other materials in chuck; an excellent safety device for assembly line use.

No. 5682—For SKIL Drill Models 45, 47, 49 and 75 only.



## SKIL drill arbor adapter

Fits 1/4" or larger capacity drill. Allows use of wire wheels, grinding wheels, buffs and other accessories with 1/2" arbor holes. No. 4438



## SKIL circular and end brushes

Circular brushes are for quick removal of hard carbon deposits from cylinder heads and cylinders. Also used for rust, paint and burr removal in automotive or other work. End brushes are excellent for cleaning valve seats and similar hard-to-reach spots, as well as for general cleaning work. 1/4" shank fits all SKIL Drills.



part no.	type	brush dia.	wire dia.
4264	End	3/4"	.0104
4265	End	3/4"	.020
4266	End	1"	.0104
4267	End	1"	.020
4268	Cir.	1 1/2"	.020
4269	Cir.	3"	.020

## SKIL hole saws

for 1/2" and larger capacity drills

High speed steel blades cut sharp, clean holes in metals, wood, plastics, composition, plaster and other materials. Increase the capacity of your drill for drilling large diameter holes in 7/8" or thinner materials.



cup and saw		saw only			
part no.	diam. of saw, inches	part no.	diam. of saw, inches	for pipe tap size	for pipe entrance size
7641	3/4"	7642	3/4"	...	3/4"
7643	1"	7644	1"	...	1"
7645	1 1/4"	7646	1 1/4"	...	1 1/4"
7647	1 1/2"	7648	1 1/2"	...	1 1/2"
7649	1 3/4"	7650	1 3/4"	...	1 3/4"
7651	2"	7652	2"	...	2"
7653	2 1/4"	7654	2 1/4"	...	2 1/4"
7655	2 1/2"	7656	2 1/2"	...	2 1/2"
7657	2 3/4"	7658	2 3/4"	...	2 3/4"
7659	3"	7660	3"	...	3"
7661	3 1/4"	7662	3 1/4"	...	3 1/4"
7663	3 1/2"	7664	3 1/2"	...	3 1/2"
7665	3 3/4"	7666	3 3/4"	...	3 3/4"
7667	4"	7668	4"	...	4"
7669	4 1/4"	7670	4 1/4"	...	4 1/4"
7671	4 1/2"	7672	4 1/2"	...	4 1/2"
7673	4 3/4"	7674	4 3/4"	...	4 3/4"
7675	5"	7676	5"	...	5"
7677	5 1/4"	7678	5 1/4"	...	5 1/4"
7679	5 1/2"	7680	5 1/2"	...	5 1/2"
7681	5 3/4"	7682	5 3/4"	...	5 3/4"
7683	6"	7684	6"	...	6"
7685	6 1/4"	7686	6 1/4"	...	6 1/4"
7687	6 1/2"	7688	6 1/2"	...	6 1/2"
7689	6 3/4"	7690	6 3/4"	...	6 3/4"

## mandrels only

Mandrels are furnished complete with pilot drill. Drills are quickly renewable. Nos. 7695 and 7696 also have ejector springs, as illustrated. Cups that fit Mandrel No. 7697 have slots in the top for removing sawed material.

No. 7695—Fits Nos. 7641 to 7647 inclusive.

No. 7696—Fits Nos. 7649 to 7685 inclusive.

No. 7697—Fits Nos. 7687 to 7689 inclusive.

## pilot drills only

No. 7691—For No. 7695 and 7696 Mandrels.

No. 7692—For No. 7697 Mandrel.



## morse taper arbors

No. 1737—No. 2 Morse taper arbor only.

No. 1767—No. 3 Morse taper arbor only.

Arbors above fit drills equipped with Morse taper sockets. Either arbor will mount No. 1777 (3/8") or No. 1772 (3/4") geared chucks with No. 3 Jacobs taper socket.

No. 1768—No. 3 Morse taper arbor with 5/8" capacity geared chuck and key.

No. 1769—No. 3 Morse taper arbor with 3/4" capacity geared chuck and key.

No. 2341—Drift key for removing No. 2 Morse taper arbor.

No. 3435—Drift key for removing No. 3 Morse taper arbor.

## morse taper reducing sleeve

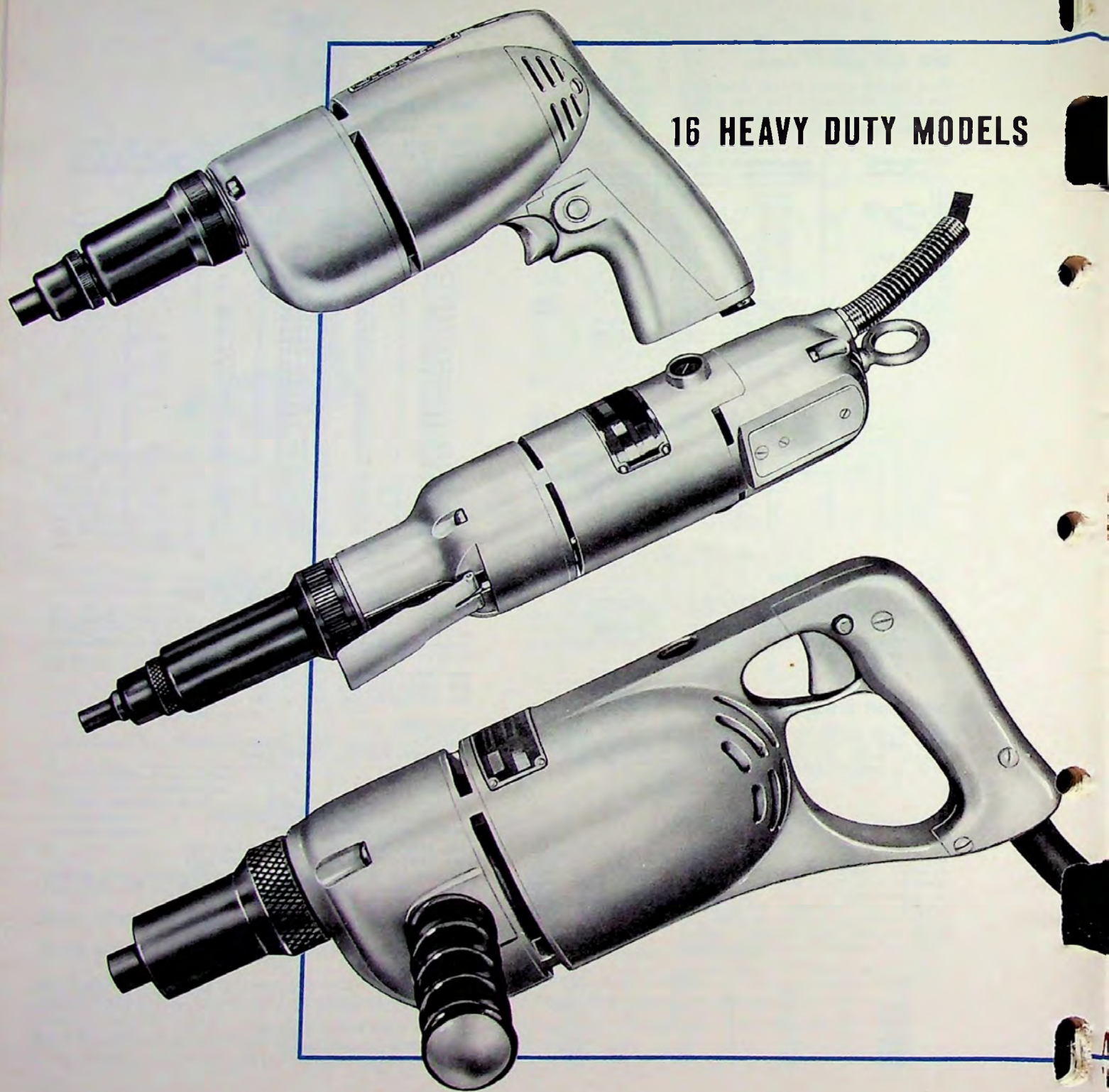
No. 1770—Permits use of drill bits with No. 2 Morse taper shanks in any drill having No. 3 Morse taper socket.





## SKIL DRIVERS, RUNNERS

16 HEAVY DUTY MODELS





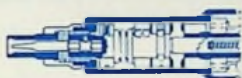
## ...FOR ASSEMBLY LINES, HEAVY MILL WORK OR CUSTOM JOBS

SKIL Drivers and Runners have remarkable power, light weight and are highly durable—yet they are amazingly easy to handle. Designed and built for all types of heavy duty use, they afford outstanding time and labor savings on every operation. And there's a complete range of SKIL Driver and Runner capacities—a range wide enough to meet virtually every requirement with top speed and efficiency.

Each model is offered in several speeds for particular fastening problems. And each type of driver may be selected with positive or adjustable clutch, with or without reversing switch. A large assortment of accessories for you to choose from including bits, finders and socket wrench sets. See your SKIL distributor for an actual demonstration and detailed information on your job requirements.



**positive clutch** models give top service for driving screws into wood or other materials in which resistance varies.



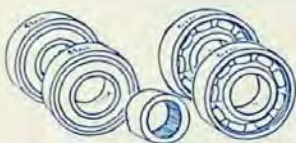
**adjustable clutch** models are ideal for fastening metals or other non-compressible materials. Gives uniform tightness every time.

730  
1600  
1250  
1000  
1500  
500

**speeds** both lower and higher than standard are offered with all models. This permits fitting tool to specific jobs.



**gears** on all driver, runner models are of smooth, precision cut helical or spur design that assures quiet operation, longer tool life.



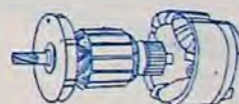
**bearings** — All SKIL drivers and runners are equipped exclusively with highest quality ball and needle roller bearings.



**motors** used are statically and dynamically balanced to eliminate vibration. This assures years of trouble-free service.



**trigger, paddle, slide** switches are available to suit every need from intermittent to continuous use—all are extra-high capacity.



**reversing action** motors are available with all SKIL Driver models for applications where disassembly is frequently required.



**die cast housings** of tough aluminum alloy provide maximum strength with lightest weight; have satin-smooth finish.



**handle styles** provide comfortable hand grips to fit each job. These include pistol grip, rear handle and removable side handle.



**driver stand adapter**—adapts driver to SKIL Drill Stands; particularly well suited to precise production operations, jigged work.



**accessories** afford a big range of versatility for every SKIL Driver and Runner—specifically designed for best results.



# SKIL DRIVERS, RUNNERS



**SKIL driver—model 132 (adjustable clutch) model 172, reversing**

capacity: 1/4" dia. machine screws, nuts;  
No. 12 self-tapping screws

Ideal for production work on small fastenings in metal. Double-slip clutch quickly adjusts to a uniform, predetermined tension. Compact design fits palm of hand, making it easy to use for one-hand operation.

specifications: adjustable clutch, trigger switch; no-load speed 750 r.p.m.; optional speeds 500, 1000, 1500 r.p.m.; length overall 11 1/8", net weight 3 3/4 lbs., shipping weight 5 lbs.



**SKIL driver—model 133 (positive clutch) model 173, reversing**

capacity: No. 12 wood and self-tapping screws;  
1/4" dia. machine screws, nuts

Recommended for driving screws in production of wood and similar products. Operator easily determines point of disengagement simply by releasing pressure. Light weight, compactness make this a popular model.

specifications: positive clutch, trigger switch; no-load speed 750 r.p.m.; optional speeds 500, 1000, 1500 r.p.m.; length overall 10 1/4", net weight 3 3/4 lbs., shipping weight 5 lbs.

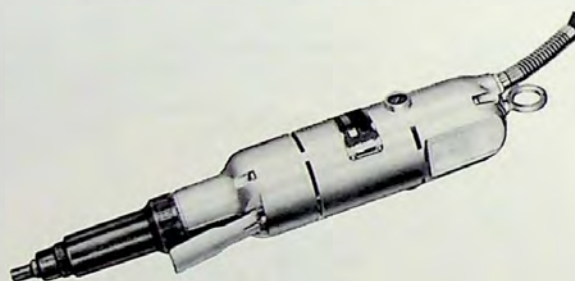


**SKIL suspension driver—model 312 (adjustable clutch) model 342, reversing**

capacity: 1/4" dia. machine screws, nuts;  
No. 12 self-tapping screws

Tailor-made for assembly use in the production of electrical appliances and similar products. It is equipped with slide switch for long periods of constant use. See SKIL Balance Reel on page 32.

specifications: adjustable clutch, slide switch; no-load speed 750 r.p.m.; optional speeds 500, 1000, 1250 r.p.m.; length overall 15 7/8", net weight 4 1/2 lbs., shipping weight 6 lbs.



**SKIL suspension driver—model 316 (adjustable clutch) model 346, reversing**

capacity: 1/4" dia. machine screws, nuts;  
No. 12 self-tapping screws

Recommended for overhead suspension use in the assembly of small, mass-produced metal products and other like items. Paddle switch is conveniently located for frequent, momentary operation. See Balance Reel, page 32.

specifications: adjustable clutch, paddle switch; no-load speed 750 r.p.m.; optional speeds 500, 1000, 1250 r.p.m.; length overall 15 7/8", net weight 4 1/2 lbs., shipping weight 6 lbs.

## comparative specifications

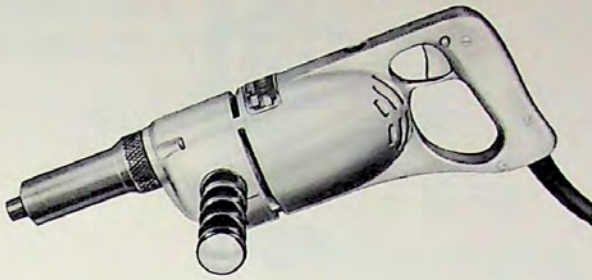
equipment: 1/4" hexagon quick-change chuck; No. 6764 bit; No. 6754 finder; 3-wire cord and connector. Models 132, 312, 342, 172 furnished with light and extra light clutch tension springs in addition to standard spring.

general specifications—motors: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

model no.	reversing model no.	positive or adjustable clutch	trigger, slide or paddle switch	capacity		std. speed, no-load r.p.m.	optional speeds, r.p.m.	length overall, inches	net weight, lbs.
				machine screws and nuts	wood screws and self-tapping screws				
132	172	adj.	trig.	1/4"	No. 12	750	500, 1000, 1500	11 1/8	3 3/4
133	173	pos.	trig.	1/4"	No. 12	750	500, 1000, 1500	10 1/4	3 3/4
312	342	adj.	slide	1/4"	No. 12	750	500, 1000, 1250	15 7/8	4 1/2
316	346	adj.	pad.	1/4"	No. 12	750	500, 1000, 1250	15 7/8	4 1/2



# SKIL DRIVERS, RUNNERS

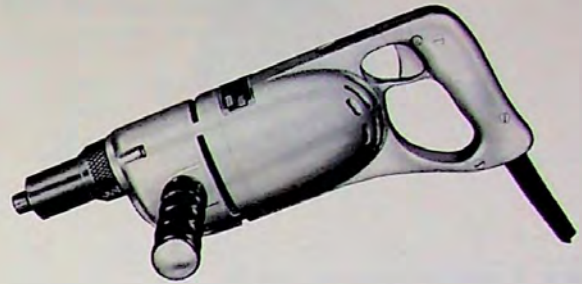


## SKIL driver—model 305 (adjustable clutch) model 335, reversing

capacity:  $\frac{3}{8}$ " dia. machine screws, nuts;  
 $\frac{5}{16}$ " self-tapping screws

Here's a heavy duty driver for production work. Its removable side handle gives full control on all operations. And its adjustable, double-slip clutch allows driving to a uniform, predetermined tension.

specifications: adjustable clutch, trigger switch; no-load speed 500 r.p.m.; optional speeds 750, 1000, 1600 r.p.m. (at extra cost); length overall  $15\frac{1}{8}$ ", net weight  $8\frac{1}{2}$  lbs., shipping weight 11 lbs.

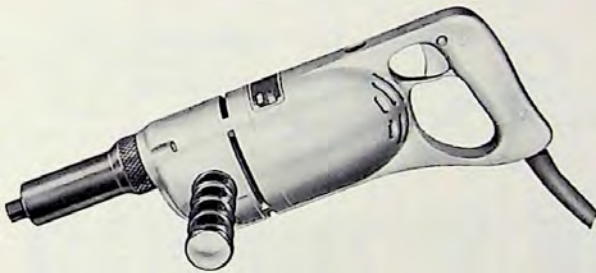


## SKIL driver—model 306 (positive clutch) model 336, reversing

capacity: No. 16 wood screws,  $\frac{3}{8}$ " dia. machine screws, nuts;  
 $\frac{5}{16}$ " self-tapping screws

This driver is particularly suited for driving fastenings in wood and other materials where adjustable clutch is not needed. It is identical to Model 305 except that it does not have adjustable clutch.

specifications: positive clutch, trigger switch; no-load speed 500 r.p.m.; optional speeds 750, 1000, 1600 r.p.m. (at extra cost); length overall 15", net weight  $8\frac{1}{2}$  lbs., shipping weight 11 lbs.

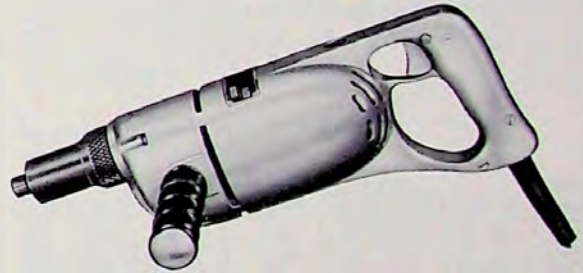


## SKIL driver—model 308 (adjustable clutch) model 338, reversing

capacity:  $\frac{1}{2}$ " dia. machine screws, nuts;  
 $\frac{3}{8}$ " self-tapping screws

Truly a light weight and compact driver for its  $\frac{1}{2}$ " capacity. Perfectly balanced for non-fatiguing production. Model 308 has side handle for easy control; double-slip clutch for metal fastenings.

specifications: adjustable clutch, trigger switch; no-load speed 500 r.p.m.; optional speeds 750, 1000, 1600 r.p.m. (at extra cost); length overall  $16\frac{1}{8}$ ", net weight 9 lbs., shipping weight 11 lbs.



## SKIL driver—model 309 (positive clutch) model 339, reversing

capacity: No. 20 wood screws;  $\frac{1}{2}$ " dia. machine screws,  
nuts;  $\frac{3}{8}$ " self-tapping screws

Equipped with positive clutch, this driver is identical to Model 308 (at left)...compact, balanced for production work. Used for driving fastenings in wood, other materials not requiring adjustable tension.

specifications: positive clutch, trigger switch; no-load speed 500 r.p.m.; optional speeds 750, 1000, 1600 r.p.m. (at extra cost); length overall 15", net weight 9 lbs., shipping weight 11 lbs.

### comparative specifications

equipment:  $\frac{7}{16}$ " hexagon quick-change chuck; No. 6995 bit and finder; left side handle, 3-wire cord and connector

general specifications—motors: Universal D.C. or A.C. up to 60 cycles voltages: Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

model no.	reversing model no.	positive or adjustable clutch	trigger, slide or paddle switch	capacity		std. speed, no-load r.p.m.	*optional speeds, r.p.m.	length overall, inches	net weight, lbs.
				machine screws and nuts	wood screws and self-tapping screws				
305	335	adj.	trig.	$\frac{3}{8}$ "	$\frac{3}{8}$ "	500	750, 1000, 1600	$15\frac{1}{8}$	$8\frac{1}{2}$
306	336	pos.	trig.	$\frac{3}{8}$ "	No. 16— $\frac{3}{8}$ "	500	750, 1000, 1600	15	$8\frac{1}{2}$
308	338	adj.	trig.	$\frac{1}{2}$ "	$\frac{3}{8}$ "	500	750, 1000, 1600	$16\frac{1}{8}$	9
309	339	pos.	trig.	$\frac{1}{2}$ "	No. 20— $\frac{3}{8}$ "	500	750, 1000, 1600	15	9

\*Furnished at extra cost



# SKIL DRIVER, RUNNER ACCESSORIES



## SKIL balance reel—no. 6767

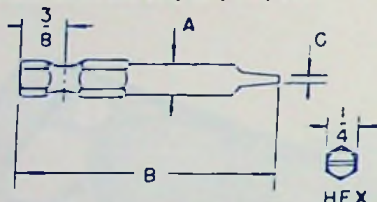
Capacity: 0-10 lbs. Balance Reel suspends tool above work position. It saves lost motion, speeds production, reduces fatigue and prevents tool damage due to dropping or rough handling. Net weight, 6½ lbs.; shipping weight, 7½ lbs.

## SKIL attachment clip—no. 6779

Spring clip for attaching tools without suspension bail or open hook to above SKIL Balance Reel.

## bits for slotted head screws

¼" hexagon shank for models 132, 133, 312, 316



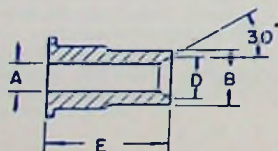
HEX

part no.	bit size	wood screws		machine screws		A (in.)	B (in.)	C (in.)
		flat	round	flat*	round			
6761	4F- 5R	4	5	4	5	.187	1 1/4	.032
6762	5F- 6R	5	6	5	6	.250	1 1/4	.036
6763	6F- 7R	6	8	6	8	.250	1 1/4	.040
6764	8F-10R	8	10	8	10	.275	1 1/4	.040
6765	10F-12R	10	12	10	12	.312	1 1/4	.046
6766	12F-14R	12	14	12	14	.360	1 1/4	.050
6534	4F- 5R	4	4	4	4	.187	3/4	.032
6535	5F- 6R	5	6	5	6	.250	3/4	.036
6536	6F- 7R	6	8	6	8	.250	3/4	.040
6537	8F-10R	8	10	8	10	.275	3/4	.040
6538	10F-12R	10	12	10	12	.312	3/4	.046
6539	12F-14R	12	14	12	14	.360	3/4	.050

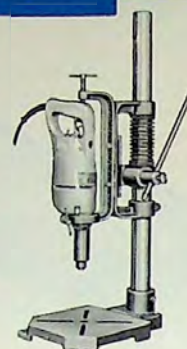
\*Also for oval, filler and binding head screws.

## finders

for models 132, 133, 312, 316



part no.	bit size	A (inches)	B (inches)	D (inches)	E (inches)
6751	4F- 5R	.196	1 1/4	1/4	1 1/4
6752	5F- 6R	.260	2 3/4	3/4	1 1/4
6753	6F- 7R	.260	2 3/4	3/4	1 1/4
6754	8F-10R	.290	1 1/2	3/4	1 1/4
6755	10F-12R	.323	1 1/2	1 1/4	1 1/4
6756	12F-14R	.375	1 1/2	1 1/4	1 1/4
6194	4F- 4R	.196	1 1/4	1/4	2 3/4
6195	5F- 6R	.260	2 3/4	3/4	2 3/4
6196	6F- 8R	.260	2 3/4	3/4	2 3/4
6197	8F-10R	.290	1 1/2	3/4	2 3/4
6198	10F-12R	.323	1 1/2	1 1/4	2 3/4
6199	12F-14R	.375	1 1/2	1 1/4	2 3/4



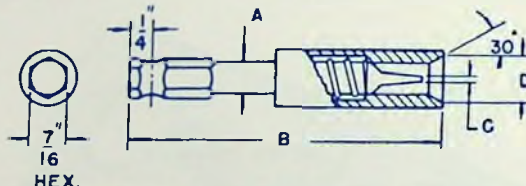
## SKIL driver stand adapter

Adapts SKIL Drivers for use with SKIL drill stands. This combination becomes a precisely controlled unit for driving screws, running down nuts or bolts. It is particularly well suited to small products which are held in jigs during assembly operations.

No. 6749—Adapts Models 305, 306, 335 and 336 to No. 6403 Drill stand.

## bits with finders, replacement bits

¼" hexagon shank for models 305, 306, 308, 309

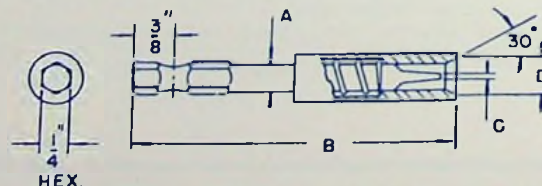


HEX.

part no. bit and finder	part no. bit only	bit size	A (in.)	B (in.)	C (in.)	D (in.)
6991	6551	6F- 8R	.241	3 3/4	.036	.390
6992	6552	8F-10R	.290	3 3/4	.040	.437
6993	6553	10F-12R	.350	3 3/4	.045	.500
6994	6554	12F-14R	.395	3 3/4	.049	.546
6995	6555	14F-16R	.457	4 1/4	.054	.609
6996	6556	16F-18R	.503	4 1/4	.057	.656
6998	6557	20F-22R	.545	4 1/4	.062	.703
6135	6558	22F-24R	.587	4 1/4	.066	.857

## extension bits with finders

¼" hexagon shank for models 132, 133, 312, 316



HEX.

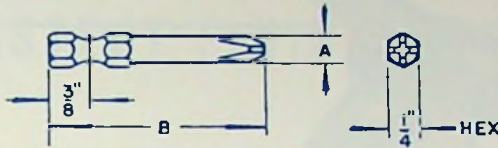
part no.	bit size	A (inches)	B (inches)	C (inches)	D (inches)
6771	5F- 6R	.193	3 3/4	.032	.296
6772	6F- 8R	.241	3 3/4	.036	.390
6773	8F-10R	.290	3 3/4	.040	.437
6774	10F-12R	.350	3 3/4	.045	.500
6775	5F- 6R	.193	6 3/4	.032	.296
6776	6F- 8R	.241	6 3/4	.036	.390
6777	8F-10R	.290	6 3/4	.040	.437
6778	10F-12R	.350	6 3/4	.045	.500



# SKIL DRIVER, RUNNER ACCESSORIES

## phillips bits

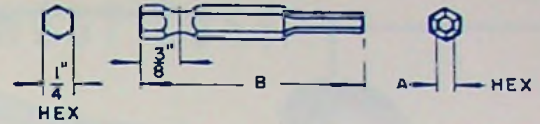
1/4" hexagon shank for models 132, 133, 313, 316,  
(no finders required)



part no.	point size	A	B	wood screws		machine screws	
				flat and oval	round and Allister	flat, oval and binding	round and Allister
6781	1	.187	1 13/16	Nos. 4 & smaller	Nos. 5 to 9	Nos. 4 & smaller	Nos. 5 to 10
6782	1	.187	3 1/2	4 & smaller	5 to 9	4 & smaller	5 to 10
6783	2	.248	1 13/16	5 to 9	5 to 10	5 to 10	5 to 10
6784	2	.248	3 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6785	3	.312	1 13/16	10 to 16	11 to 16	12 to 1/4	12 to 3/4
6786	3	.312	3 1/2	10 to 16	11 to 16	12 to 1/4	12 to 3/4

## bits for hex socket screws

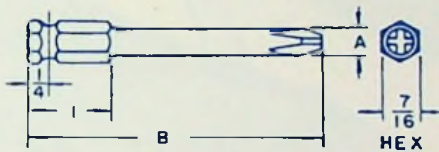
1/4" hexagon shank for models 132, 133, 313, 316,  
(no finders required)



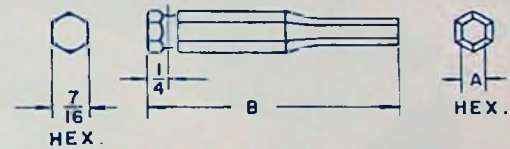
part no.	cap screw	flat head machine screw	set screw	pipe plug	dia. A (inches)	dia. B (inches)
6893	No. 5-6	No. 8	No. 10-12		3/16	1 1/16
6894	No. 8	No. 10-12	1/4		1/4	1 1/4
6895	No. 10-12	1/4	3/8		3/8	1 1/2
6896	1/4	3/8	3/8		3/8	1 3/8

3/16" hexagon shank for models 305, 306, 308, 309  
(no finders required)

3/16" hexagon shank for models 305, 306, 308, 309 (no finders required)



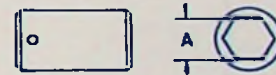
part no.	point size	A	B	wood screws		machine screws	
				flat and oval	round and Allister	flat, oval and binding	round and Allister
6651	2	.248	3 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6652	2	.248	4 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6653	3	.312	3 1/2	10 to 16	11 to 16	12 to 1/4	12 to 3/4
6654	3	.312	4 1/2	10 to 16	11 to 16	12 to 1/4	12 to 3/4
6655	4	.373	3 1/2	18 to 24	18 to 24	3/8 to 1/2	3/4 to 1/2
6656	4	.373	4 1/2	18 to 24	18 to 24	3/8 to 1/2	3/4 to 1/2



part no.	cap screw	flat head machine screw	set screw	pipe plug	dia. A (inches)	dia. B (inches)
6671	1/4	3/8	3/8	1/4	3/16	3
6672	3/4	3/8	3/8	1/4	3/16	3
6673	3/4	3/8	3/8	1/4	3/16	3
6674	3/4, 7/8	1/2	3/8	3/4	5/16	3
6675	1/4, 3/8	3/8	3/8	1/2	3/8	3

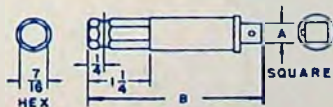
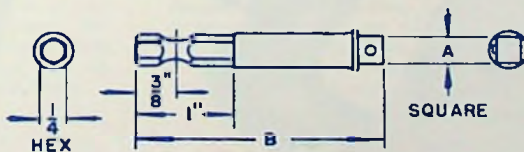
## hexagon sockets

for use with socket wrench shanks



part no.	dia. A (inches)	part no.	dia. A (inches)	part no.	dia. A (inches)
1/4" square drive		3/8" square drive		1/2" square drive	
6681	1/4	6571	1/4	6521	1/2
6682	5/16	6572	5/16	6522	5/16
6683	3/8	6573	3/8	6523	19/32
6684	11/16	6574	11/16	6524	3/4
6685	3/4	6575	3/4	6525	1 1/16
6686	7/8	6576	7/8	6526	3/4
		3/4" square drive		6527	25/32
		6503	3/4	6528	1 1/4
		6504	7/8	6529	1 1/2
		6505	1/2	6530	1 3/4
		6506	3/4	6531	1
		6508	3/4		

## socket wrench shanks



1/4" hexagon shank			3/16" hexagon shank		
part no.	dia. A (inches)	dia. B (inches)	part no.	dia. A (inches)	dia. B (inches)
6791	1/4	2	6661	3/8	2 3/4
6792	1/4	6	6662	3/8	5
6793	5/16	2	6663	1/2	2 3/4
6796	5/16	6	6664	1/2	5
6793	3/8	2			
6794	3/8	6			

## double square sockets

for use with socket wrench shanks



part no.	dia. A (inches)	part no.	dia. A (inches)	part no.	dia. A (inches)
1/4" square drive		3/8" square drive		1/2" square drive	
6693	3/8	6511	3/8	6541	1/2
6695	3/8	6512	3/8	6542	5/16
5581	1/4	6513	3/8	6543	3/8
5583	5/16	6514	1/2	6544	1 1/16
5585	3/8			6545	3/4
				6546	1 3/8
				6547	3/4
				6549	1

(See price list for Quantity Discounts on slotted head screw bits, phillips bits, extension bits with finders and replacement bits.)



## SKIL BELT SANDERS

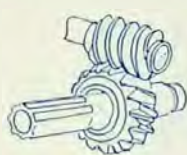




## FOR FASTEST FINISHING AT LOWEST COST

Built to withstand heavy duty use either in production or maintenance, SKIL Belt Sanders provide the ideal all-purpose finishing tool for manufacturing or construction jobs. They are available in the popular 3" and 4½" belt widths, both with and without vacuum dust collectors. Widely used for sanding wood and wood products, these power-packed sanders are also

effective for surfacing metals, plastics, composition materials, glass, natural or cast stone. A large selection of abrasive belts in various grit sizes and types is available for these varied applications. Exclusive top value features like those listed below make SKIL your best belt-sander buy. Ask your SKIL distributor for a demonstration today.



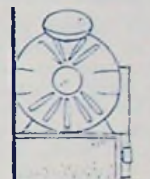
**worm-drive gearing** develops high torque—assures you plenty of dependable power for all types of sanding operations.



**closely linked high-speed chain** transmits maximum power to rear sprocket—gives you the quietest operation possible.



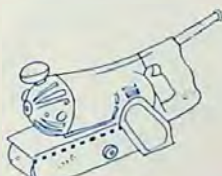
**forced air ventilation** is internally directed to keep tool at ideal running temperature over extended operating periods.



**flush side design** permits sanding next to upright objects. Ideal for sanding cabinets or around other confined areas.



**quick-change lever**—recessed, permits easy, 10-second belt change. Puts tool back on the job in shortest possible time.



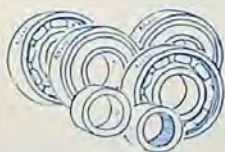
**hardened steel striking bar** protects aluminum alloy housing from abrasive belt—prevents costly damage, reduces maintenance.



**contour grip handles** designed for comfort and ease of operation. Two position front knobs handy for vertical or horizontal work.



**convenient oil level indicator** You simply look into window to check lubrication. A valuable aid that prevents costly burnouts.



**bearings**—Only high quality, anti-friction bearings are used. All are self-lubricating ball or needle roller types, as required.



**motors** are engineered to handle heavy loads common to this equipment, statically and dynamically balanced to eliminate vibration.



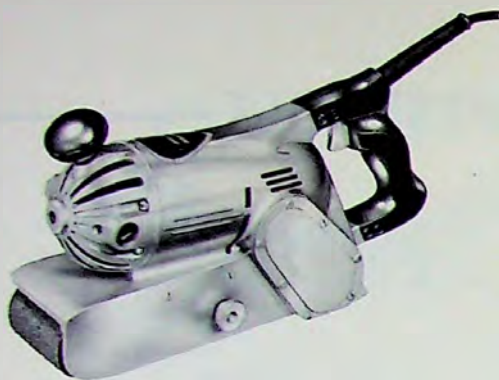
**oversized cord protector** on Model 448, 449 is of tough, flexible, long wearing rubber. Prevents breakage, keeps cord clear of work.



**dust bag** is easy to empty and re-assemble: has clamp-type closure, no dust leakage. Is used where dust is objectionable.



# SKIL BELT SANDERS



## SKIL 3" belt sander—model 448

Most popular belt sander made, Model 448 produces a smooth finish on all materials, assures fast production and fine workmanship. Patented contour-grip rear handle and front knob give easy control. Enthusiastically recommended by users for its exceptional performance.

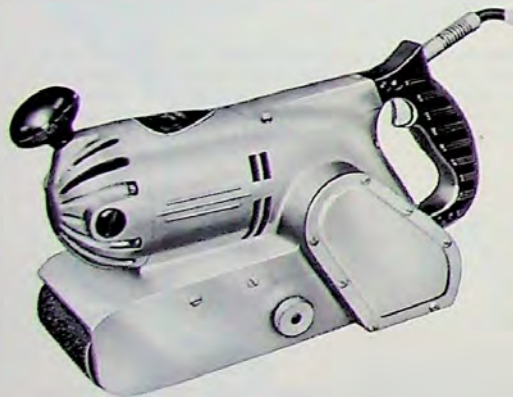
specifications: belt size 3 x 23 $\frac{3}{4}$ ", no-load speed 1500 ft. per min., overall length 15 $\frac{1}{4}$ ", net weight 15 lbs., shipping weight 18 lbs.



## SKIL 3" belt sander—model 449 with vacuum dust collector

Similar to Model 448 in construction, but has a centrifugal fan mounted on armature shaft extension. Draws dust through slotted rear housing, discharging it into easily removed dust bag. Eliminates dust spreading.

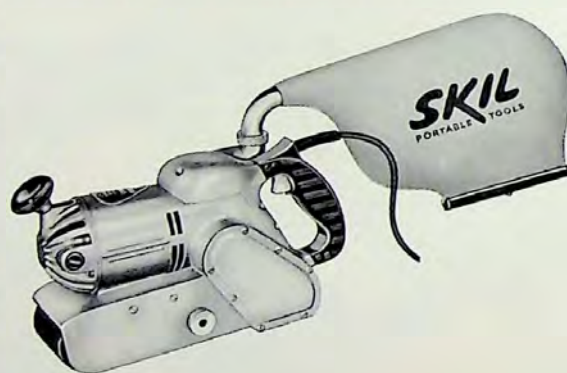
specifications: belt size 3 x 23 $\frac{3}{4}$ ", no-load speed 1300 ft. per min., overall length 15 $\frac{1}{4}$ " (less dust bag), net weight 15 $\frac{1}{4}$  lbs., shipping weight 18 lbs.



## SKIL 4 $\frac{1}{2}$ " belt sander—model 323

Design, construction, engineering features and performance makes this model suitable for constant use on a wide variety of wood, composition and metal sanding jobs. Where heavy sanding must be fast and uniform, the utmost in sanding production is assured by this model.

specifications: belt size 4 $\frac{1}{2}$  x 26", no-load speed 1500 ft. per min., overall length 15 $\frac{3}{4}$ ", net weight 23 lbs., shipping weight 28 lbs.



## SKIL 4 $\frac{1}{2}$ " belt sander—model 324 with vacuum dust collector

Has all the features of Model 323, plus a centrifugal fan, gear driven from the motor, with intake to pick up dust and reduce belt loading. Perfect for fast interior refinishing or remodeling—anywhere dust is objectionable.

specifications: belt size 4 $\frac{1}{2}$  x 26", no-load speed 1300 ft. per min., overall length 15 $\frac{3}{4}$ " (less dust bag), net weight 25 lbs., shipping weight 29 lbs.

### comparative specifications

equipment: 3-wire cord and connector; medium grit sanding belt; lubricant; visible oil level indicator. Models 449, 324, only, heavy fabric dust bag with positive slide closure.

general specifications—motors: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Furnished on order for 220 and odd voltages

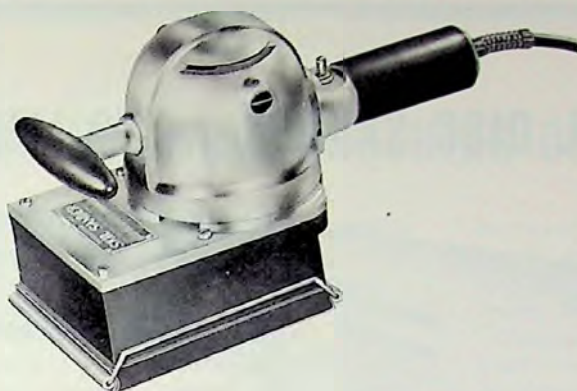
at no extra cost. switches: Enclosed double pole, momentary contact trigger switches. belt adjustments: Automatic tensioner; easily released for belt change. Convenient adjusting knob centers belt on pulleys. flush side: Permits sanding close to upright objects. vacuum system: Centrifugal fans. Model 449, mounted on armature shaft; Model 324, gear driven by motor.

model no.	belt size, inches	sanding pad size, in.	speed, no-load ft. per min.	length overall, inches	width overall, inches	net weight, lbs.
448	3 x 23 $\frac{3}{4}$	3 x 6	1500	15 $\frac{1}{4}$	4	15
449	3 x 23 $\frac{3}{4}$	3 x 6	1300	15 $\frac{1}{4}$ *	4	15 $\frac{1}{4}$
323	4 $\frac{1}{2}$ x 26	4 $\frac{1}{2}$ x 6 $\frac{3}{4}$	1500	15 $\frac{3}{4}$	6 $\frac{1}{2}$	23
324	4 $\frac{1}{2}$ x 26	4 $\frac{1}{2}$ x 6 $\frac{3}{4}$	1300	15 $\frac{3}{4}$ *	6 $\frac{1}{2}$	25

\*length of machine less dust bag.



# SKIL SANDER, ACCESSORIES



## SKIL oscillating sander—model 438

For woodworkers and the woodworking industries, this tool offers top performance in a heavy duty finishing sander. It features easy paper attachment using  $\frac{1}{2}$  of standard 9" x 11" sheet; has quiet, trouble-free, gearless drive. Gets in tight corners for sanding, rubbing or polishing.

equipment: Six (6) sheets of assorted sandpaper; cement; paper clamp; 3-wire cord and connector.

specifications—paper attachment: (a) With clamp supplied, using  $4\frac{1}{2}$ " x  $6\frac{1}{2}$ " paper ( $\frac{1}{2}$  of std. sheet). (b) With special cement, using  $4\frac{1}{2}$ " x  $5\frac{1}{2}$ " paper ( $\frac{1}{4}$  of std. sheet). motor: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Furnished on order for 220 and odd voltages at extra cost. switch: Enclosed toggle switch. speed: 5500 cycles per minute. eccentric shaft: Mounted on 3 sealed ball bearings. vibrating head: Molded synthetic rubber, unaffected by oil or grease. length overall:  $7\frac{3}{4}$ ". net weight:  $7\frac{1}{2}$  lbs. shipping weight: 10 lbs.

## oscillating sander accessories

**sandpaper clamp—no. 7747** Older Model 438 sanders may be adapted to this device by grooving front and rear edges of rubber vibrating head. Requires  $\frac{1}{2}$  section of standard 9" x 11" abrasive sheet.

**special rubber cement—no. 3935** For applying  $\frac{1}{4}$  section of standard 9" x 11" abrasive sheet to all Model 438 sanders.

**sponge rubber pad—no. 4716**  $\frac{1}{4}$ " thick for sanding curved surfaces.

**felt rubbing pad—no. 4715** For rubbing with various compounds.

**lambswool bonnet—no. 4709** For all polishing operations.



## SKIL sander belts

These high quality sander belts are processed to set the abrasive grit with sharpest edges at the cutting surface. Only extremely hard electric furnace abrasives are used. Belts are precisely cut, bonded and gauged to insure exact fit. Types A, B and D are aluminum oxide; type C, silicon carbide. Packaged 10 belts to a carton.

nominals dimensions		2 1/4" x 2 1/4"	3" x 2 3/4"	4 1/2" x 2 6"
for models		323, JY	448, 449, 9, ZP	323, 324 AR, BR A, B
type	grit	part no.	part no.	part no.
A	3	7801	7829	7870
A	2 1/2	7802	7830	7871
A	2	7803	7831	7872
A	1 1/2	7804	7832	7873
A	1	7805	7833	7874
A	1/2	7806	7834	7875
A	1/0	7807	7835	7876
A	2/0	7808	7836	7877
A	3/0	7809	7837	7878
B	24	7810	7838	7879
B	30	7811	.....	.....
B	36	7812	7840	7881
B	50	7814	7842	7883
B	60	7815	7843	7884
B	80	7816	7844	7885
B	120	7818	7846	7887
B	180	7820	7848	7889
B	220	.....	.....	7890
B	320	7822	7850	7891
C	24	.....	7851	7892
C	30	.....	.....	7893
C	40	.....	7854	7895
C	80	.....	7857	7898
C	100	.....	.....	7899
C	120	.....	7859	7900
C	320	.....	7863	7904
D	3	7823	7864	7903
D	2 1/2	7824	7865	7906
D	2	7825	7866	7907
D	1 1/2	7826	7867	7908
D	1	7827	7868	7909
D	1/2	7828	7869	7910
fabric belts		5050	3324	926

NOTE: See price list for quantity discounts.

## comparative grit table

class of grit	wood finishing grit size	metal finishing grit size	stone finishing grit size
Coarse Grit	3	24	24
	2 1/2	30	30
	2	36	36
			40
Medium Grit	1 1/2	40	50
	1	50	60
	1/2	60	80
			100
Fine Grit		80	
	1/0	100	120
	2/0	120	180
		180	220
	3/0	220	320
		320	

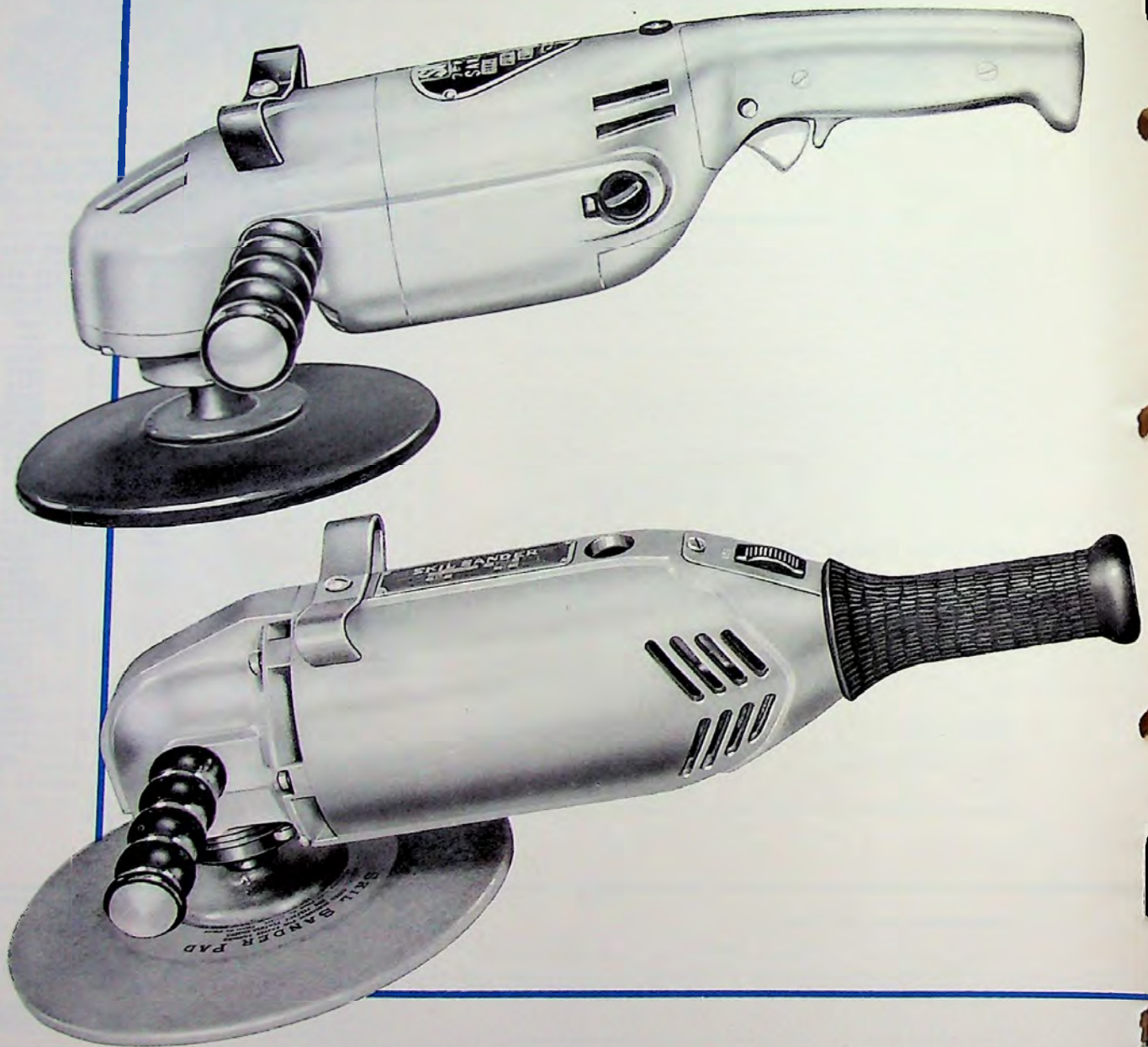
## finishing recommendations

belt type	material
A	New or unfinished wood of all kinds, non-ferrous metals such as lead, copper solder.
B	Ferrous metals; also bronze, brass, aluminum and other dense alloys. Wiping work with cutting oil is often helpful.
C	Slate, marble, limestone, concrete, glass; other natural and cast stone. Use care in selecting proper grit.
D	Removing varnish, lacquer and paint. Use light pressure, keep sander moving. Also for resinous or green wood.
Fabric	Finish grinding, rubbing or polishing of metal and stone with proper grinding or polishing compound. Not for painted or varnished surfaces.



## SKIL DISC SANDERS

THERE'S A SKIL DISC SANDER... TO MEET EVERY





## ROUGH SANDING, WIRE BRUSHING OR GRINDING REQUIREMENT

SKIL now offers you the most complete and up-to-date line of Disc Sanders available. They are furnished in special duty, standard duty and heavy duty models. These ratings are recommended for intermittent, frequent or constant use, respectively.

A number of important features make new Models 851 and 852 outstanding in power, price and performance. Synthetic rubber gear mounting lengthens gear life;

improved weight distribution makes handling easier; trigger switch gives positive control; large, easily removed inspection plate permits quick commutator and brush check-ups and cleaning.

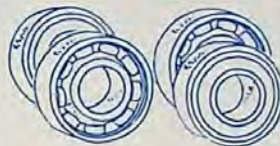
Features like these and the many other advantages illustrated and described below, make SKIL Disc Sanders the outstanding tools of their kind. See your SKIL Distributor for a convincing, metal-finishing demonstration.



**new, higher spindle speeds** are standard on most models to give higher maintained speeds under load; produce faster, more efficient sanding or grinding, reduce job, time.



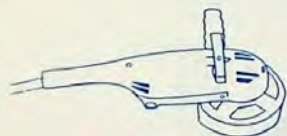
**balanced, universal motors** give vibration-free performance and have reserve power for heavy use. Model 851 has 30% more power; 852, 75% more power than previous models.



**bearings**—SKIL Disc Sanders have top quality, anti-friction bearings. Model 551 uses both ball and self-lubricating bearings. Ball bearings used throughout on all other models.



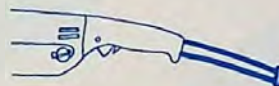
**gears** are precision spiral bevel type for quiet operation with minimum wear. Models 851, 852 have rubber cushioned gear mounting that gives added stamina for heavy duty jobs.



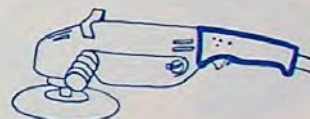
**ventilation**—forced, straight flow ventilation provides efficient cooling plus unusual dust protection to both commutator and switch on every SKIL Disc Sander model.



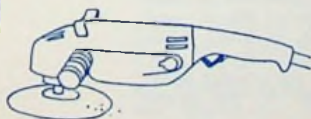
**handling ease**—handles and switch are placed to give maximum control, easy handling. Balanced to throw weight over work. Reversible side handles for right or left-hand use.



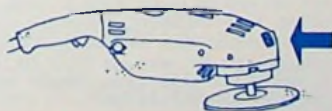
**cord protector**—extra long, semi-rigid rubber protector keeps heavy duty cord away from work area. Adds greater safety, and protects cord from wearing or fraying at handle.



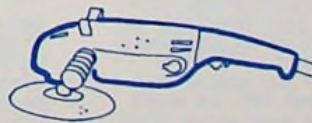
**rear handle** is formed to fit the user's hand, making SKIL Disc Sanders easier to operate; eliminating work fatigue. Handle design is also ideal for carrying tool from job to job.



**switches**—model 851 and 852 sanders have momentary contact trigger switch with locking button for greater comfort during prolonged operation.



**spindle lock** is located on front of disc sander housing, except Model 551, enabling user to make quick, easy disc changes. Cuts time on change overs from sanding to wire brushing.



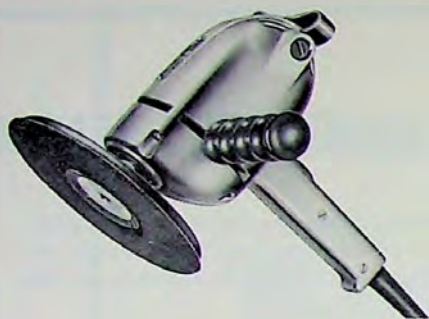
**housings** are of die-cast aluminum alloy, providing the greatest possible strength while maintaining minimum weight. Have satin-smooth finish that's easy to keep clean.



**tool rests** are provided on each SKIL Disc Sander to protect work when tool is laid down; and it protects the tool! Another quality SKIL "extra" for added convenience, utility.



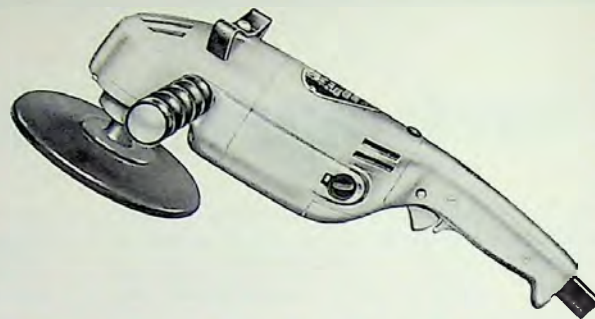
# SKIL DISC SANDERS



## SKIL 7" special duty disc sander—model 551

Model 551 is a real value among low-priced disc sanders. It has more power than many larger, more expensive makes. Close-coupled design means easier operation. Regularly used in auto body shops, garages and anywhere fast sanding of metal, wood or other materials is required.

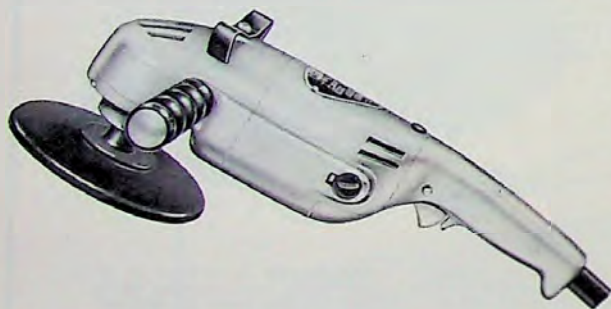
specifications: disc dia. 7", wire cup brush dia. 3½", no-load speed 4200 r.p.m., length overall 9½", net wgt. 7 lbs., shipping wgt. 12 lbs.



## SKIL 7" standard duty disc sander—model 851

A completely new SKIL Disc Sander, Model 851 produces smoother results faster, easier and at less cost than has ever before been possible. New features include 30% more power, balanced design for easier handling, dust-tight trigger switch, larger inspection plate, and others.

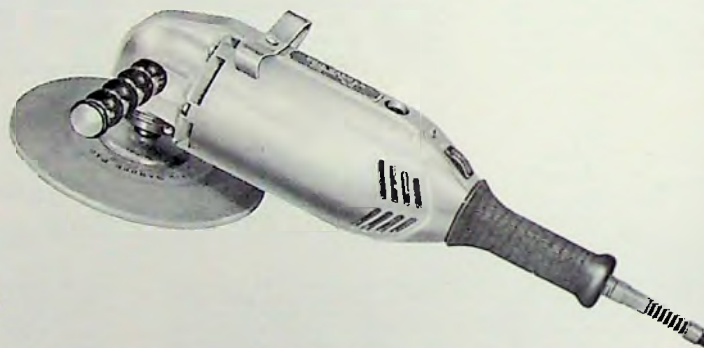
specifications: disc dia. 7", wire cup brush dia. 4", cup grinding wheel dia. 4", no-load speed 4500 r.p.m., length overall 15½", net weight 11¼ lbs., shipping weight 16 lbs.



## SKIL 7" heavy duty disc sander—model 852

An outstanding new SKIL Disc Sander designed for all heavy duty sanding, grinding and wire brushing. 75% more power enables Model 852 to retain high speed under work loads. And it gives far better control, easier handling. Uses reinforced disc grinding wheels, other accessories.

specifications: disc dia. 7", wire cup brush dia. 5", cup grinding wheel dia. 5", no-load speed 5000 r.p.m., length overall 16", net weight 13 lbs., shipping weight 17 lbs.



## SKIL 9" heavy duty disc sander—model 540

Even the heaviest sanding, grinding and wire brushing jobs are easy for this powerful 9" disc sander. Large disc size allows re-use of discs with 7" pad. Model 540 is used by foundries, ship builders, machine shops, welders, contractors. Amazingly easy to handle for its capacity.

specifications: disc dia. 9", wire cup brush dia. 6", cup grinding wheel dia. 6", no-load speed 5000 r.p.m., length overall 18", net weight 14¼ lbs., shipping weight 21¼ lbs.

### comparative specifications

equipment: molded backing pad; 3 assorted sanding discs; grinding wheel flange and reversible side handle (except Model 551); tool rest; wrench; spindle lock (except Model 551); 3-wire cord and connector. Model 13 (see Page 41) is supplied without backing pad or sanding discs to allow user choice of accessories.

model no.	duty rating	capacity			speed, no-load, r.p.m.	length* overall, inches	net weight lbs.
		disc dia., inches	wire cup brush, dia.	cup grinding wheel, dia.			
551	spec.	7	3½	---	4200	9½	7
851	std.	7	4	4	4500	15½	11¼
852	heavy	7	5	5	5000	16	13
540	heavy	9	6	6	5000	18	14¼
13**	heavy	9	6	6	5000	18	14¼

general specifications—motors: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Furnished on order for 220 and odd voltages at no extra cost. switches: Enclosed double pole slide switches, except Models 851, 852 which have trigger switch, locking pin. spindle diameter: ⅝"-11 thread.

\*Length not including backing pad.

\*\*illustrated and described on Page 41.





## DISC SANDERS, ACCESSORIES

### SKIL heavy duty grinder-sander—model 13

Designed for a wide variety of heavy duty surfacing operations, Model 13 Grinder-Sander offers high speed and terrific power to insure top performance under maximum load conditions. Used with 6" cup grinding wheels, 6" wire cup brushes, 7" or 9" sanding discs and reinforced disc grinding wheels. (See bottom of Page 40 for comparative specifications.)

specifications: disc dia. 9", wire cup brush dia. 6", cup grinding wheel dia. 6", no-load speed 5000 r.p.m., length overall 18", net weight 14 1/4 lbs., shipping weight 18 lbs.

### SKIL sanding discs

Extra-hard aluminum oxide grits are phenol-resin bonded to a sturdy fiber backing. May even be dipped in gasoline and scrubbed for re-use if grits become clogged with material being sanded!

Use close coat type "K" discs for metal, wood, stone or marble; use open coat type "H" discs for soft materials, removing paint and varnish. Conveniently packaged in quantities of 10 or 25. See price list for quantity discounts.



7" dia. no.	9" dia. no.	grit	type	no. discs per package
7911	7922	16	K	10
7912	7923	24	K	10
7913	7924	30	K	10
7914	7925	36	K	10
7915	7926	50	K	10
7916	7927	60	K	10
7917	7928	80	K	10
7918	7929	100	K	25
7919	7930	120	K	25
7920	7931	150	K	25
7921	7932	180	K	25
7933	7936	16	H	10
7934	7937	24	H	10
7935	7938	30	H	10

(See price list for quantity discounts.)

### SKIL grinding wheel guards

Attach directly to lower bearing plate of sander. Adjustable sleeve allows for full wear of grinding wheels.

No. 2799—For Models 11, 12.

No. 13665—For Models 13, 540, 851, 852



### SKIL backing pads

Due to the heavy duty service required of SKIL Disc Sanders, occasional replacement of backing pads is necessary. For flexible sanding action, select molded rubber pads; for stiffer action, order molded sisal pads.

No. 13417—5" molded rubber pad.

No. 2492—7" molded sisal pad.

No. 4675—7" molded rubber pad.

No. 4773—9" molded sisal pad.

No. 2427—Backing pad unit.

No. 2445—Pad nut wrench.



### SKIL cup grinding wheels

Designed for fast, efficient grinding and long wheel life. Of securely bonded, highest grade silicon carbide or aluminum oxide abrasives. Each wheel has a 1/2"-11 thread bushing molded integrally for convenience in mounting wheel direct to disc sander spindle. Use wheel guard listed for complete safety.



order by number

4" diameter			5" diameter			6" diameter		
coarse	med.	fine	coarse	med.	fine	coarse	med.	fine
Aluminum oxide abrasive								
for art marble and terrazzo	....	....	5405	5406	....	5408	5409	....
for marble and onyx	....	....	5406	....	....	5409	....	....
for concrete, cement block and brick	5421	5422	....	5427	5405	5406	5428	5408
for granite	....	....	5405	....	....	5408	....	....
for granite composition blocks	....	....	5406	....	....	5409	....	....
for limestone and sandstone	5422	....	....	5405	....	5406	5408	....
for porcelain and vitreous ware	....	....	5406	....	....	5409	....	....
Silicon carbide abrasive								
for cast iron, bronze, un-annealed malleable iron, white iron	5421	5431	....	5455	5456	....	5457	5458
for steel castings, steel welds, structural members, annealed malleable iron	5459	....	5460	5463	....	5464	5465	....

NOTE—Before using any grinding wheel, always be sure its maximum safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate).



### SKIL depressed center disc wheel guard

For use with depressed center disc wheels, these new SKIL Guards attach directly to lower bearing plate of SKIL Disc Sanders to fully protect operator.

No. 16896—7" Disc Guard for Models 851, 852.

No. 16894—9" Disc Guard for Models 13, 540.

### SKIL wire cup brushes

Highly practical and economical for cleaning castings, structural steel, tanks, vats, sheet metals, stone, concrete, etc. May be used in place of sanding discs for removal of heavy rust, scale and paint.



part no.	dia. of brush	dia. of wire	face
2464	3 1/2 in.	.020 Crimp	Single Row
2465	6 in.	.035 Knot	Single Row
2479	6 in.	.020 Knot	Double Row
2496	6 in.	.020 Knot	Single Row

NOTE: No. 2479 is specially built for heavy duty work. Recommended for use with Model 320 grinder-sander.



# SKIL PLANE

## LIGHTWEIGHT, HIGH SPEED SKIL COMBINATION PLANE

for smooth, fast surfacing—eliminates sanding!

**bevel adjustment**—bevel guide is adjustable to full 45° right or left, for edge planing at a wide range of angles. Guide can be quickly removed for surface planing.

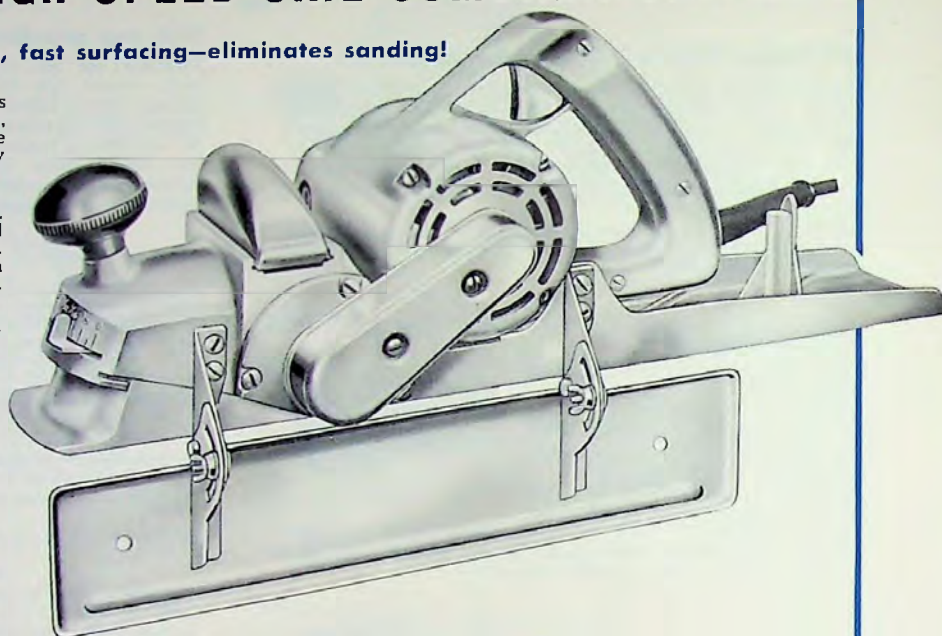
**full depth adjustment**—0 to  $\frac{1}{8}$ ". SKIL Plane has scale graduated in  $\frac{1}{16}$ " settings with "click" stops. Depth of cut can be adjusted even during cut! Width of cut is full 3".

**tooth-belt drive** insures quiet performance, is non-slipping yet absorbs shock and protects motor, reduces repair costs, eliminates gears and necessity of lubrication.

**reversible sawdust deflector** ejects sawdust either to right or left side of plane. Deflector can be easily set in either position as dictated by planing operation.

**flat blades** on SKIL Plane are easily sharpened—in contrast to spiral or curved blades. Makes maintenance easier, enables user to plane smoother over long periods.

**powerful motor** assures fast work even at full depth and width of cut. Cutter head revolves at 13,500 r.p.m.—makes 27,000 cuts per min. for smooth surfacing.



**bearings** are self-lubricated for lifetime service and are highest quality ball bearing types. Cutter head has exclusive double ball bearing suspension.

**two handles** provide superior balance and perfect control while planing. Located in same position as manual planes, rear handle provides convenient contour-grip.

### SKIL 3" combination edge and surface plane—model 100

With lighter weight than any comparable tool, this SKIL Plane features outstanding performance on high-speed edge and surface planing.

Developed for carpenters, builders, pattern shops, cabinet workers and woodworking industries, SKIL Plane is the most advanced tool made for fitting doors, windows, storm sash, screens. Also used for surface planing. Ideal for contractors, shipyards and for industrial maintenance. It has bevel and depth adjustments, positive right or left hand chip ejection, anti-friction ball bearings throughout, comfortable "contour" handle and auxiliary knob.

**equipment:** pair of alloy steel blades; hex locking key; blade honing bracket; blade adjusting gauge; bevel gauge; 3-wire cord and connector.

**specifications:** width of cut 3". depth of cut 0" to  $\frac{1}{8}$ ". motor Universal, D.C. or A.C. up to 60 cycles. voltages Standard, 115. Furnished on order for 220 and odd voltages at no extra cost. no-load speed, cutter head 13,500 r.p.m. bevel guide 90° adjustment for 45° right or left bevel. bearings Ball bearings throughout. switch Enclosed, momentary contact trigger switch. chip deflector Reversible for exhaust, right or left. length overall 17½". net weight 10½ lbs. shipping wt. 12 lbs.

#### accessories

- No. 10623—Replacement grinding wheel.
- No. 11628—Replacement blades, pair.
- No. 6679—Carrying case for SKIL Plane.



### SKIL plane stand—no. 10750

Convert your SKIL plane into a bench jointer-planer in seconds. Lock plane in position for fine finish work on cabinets or other small piece work. Finish rough surfaces, square-up work for accurate joining, bevel edges. Stand is of heavy cast iron with base drilled for permanent mounting. Positive-acting spring guard gives maximum protection. Bevel guide affords fine adjustment for unmatched accuracy. Switch rod and lever permit convenient starts and stops of plane motor. (Shipped assembled.)



### SKIL blade sharpening kit—no. 10900

Sharpen SKIL plane blades easily and quickly with this simple attachment. Keeps keen edges on plane's cutters; removes nicks in a jiffy. Blade holder assembly has V-ways that assure perfect alignment of blade with grinding wheel. No. 10750 Plane Stand (above) provides an ideal mount for plane sharpening. Or, follow simple plans included with each kit for making wood stand. Kit includes Blade Holder Assembly, Grinding Wheel, Wheel Arbor, Dressing Stone and complete instructions.



## NEW, EASY HANDLING, HEAVY-DUTY SKIL ROUTER

for grooving, dadoing, trimming—  
decorative cuts!

1 1/4 h.p., 23,000 r.p.m.

simple depth adjusting ring

accurate gauge block—router guide

convenient switch lever

non-marring,  
chrome plated sub-base

### SKIL 1 1/4 h.p. heavy duty router— model 299

The new, full 1 1/4 horsepower SKIL Router is widely used by contractors, carpenters, cabinet shops and furniture manufacturers for grooving, dadoing, bead-ing, rabbeting, mortising, veining, cove cutting and for a big range of decorative cutting. This easy handling router features high bit speed (23,000 r.p.m., free speed) for super-smooth cuts. Its conveniently placed handles allow easy control, precision cutting. Die-cast aluminum alloy housings give light weight, great strength. You'll want to consider these and the following exclusive SKIL advantages in selecting the router for your cutting needs:

**convenient switch lever**—located within "thumb-reach" of router handle for instant on-and-off power control.

**chrome plated, non-marring steel sub-base**—glides smoothly over material being cut.

**simple depth adjusting ring**—motor housing is threaded and has adjusting ring graduated in 1/64" intervals. Adjusting lock maintains accurate depth control.

**accurate gauge block**—guides router precisely for uniform cuts; eliminates repeated measuring and marking.

**equipment, model 299**  
Gauge block, one each 1/4" and 1/2" collets, two collet wrenches, 3-wire cord and connector.

**specifications, model 299 SKIL router**  
capacity: 1 1/4 horsepower. motor: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Furnished on order for 220 and odd voltages at no extra cost. bearings: Ball bearings used throughout. switch: Double-pole, toggle switch with lever at handle. base plate diameter: 7-15/16". overall height: 10". net weight: 12 3/4 lbs., shipping weight: 18 1/2 lbs.

#### SKIL router accessories collets

No. 10510—Collet for 1/4" bit shank.

No. 10511—Collet for 3/16" bit shank.

No. 10512—Collet for 3/8" bit shank.

No. 10513—Collet for 1/2" bit shank.

#### collet adapters

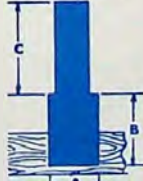
part no.	for collet size	for bit shank size	overall length
10537	3/16"	1/4"	1"
10538	1/2"	3/4"	1"

### SKIL router bits and template guides



1/4" shank straight bits—two flutes

part no.	dimensions		
	A	B	C
11564	1/4	1 1/4	3/4
11567	3/8	1 1/4	3/4
11568	3/4	1 1/4	3/4
11565	3/4	1 1/4	3/4
11566	1/2	1 1/4	3/4



1/2" shank straight bits—two flutes

part no.	dimensions		
	A	B	C
11563	3/8	1 1/8	1 1/4
11562	3/4	1 1/4	1 1/4
11561	3/4	1 1/4	1 1/4
11569	1	1 1/4	1 1/4



1/4" shank core box bits—two flutes

part no.	dimensions		
	A	B	C
11556	1/4	3/4	1 3/4
11557	3/8	3/4	7/8
11555	1/2	3/4	7/8
11554	3/4	3/4	7/8
11551	3/4	1 1/4	7/8



1/4" shank rounding-over bits—two flutes

part no.	dimensions			
	A	B	C	D
11560	1/4	1 1/2	3/4	3/4
11559	3/8	2 1/2	3/4	3/4
11558	1/2	2 1/2	3/4	3/4



1/4" shank beading bits—two flutes

part no.	dimensions			
	A	B	C	D
11572	1/4	1/2	3/8	3/4
11571	1/4	3/4	3/8	3/4
11570	3/8	3/4	3/8	3/4



1/4" shank cove bits—two flutes

part no.	dimensions			
	A	B	C	D
11553	3/4	3/4	7/8	3/4
11550	1/4	9/16	7/8	3/4
11552	3/8	13/16	7/8	3/4
11573	1/2	3/4	7/8	3/4



1/4" shank chamfering bits—two flutes

part no.	dimensions			
	A	B	C	D
11639	1/2	3/4	7/8	3/4

#### SKIL template guides

part no.	dimensions		
	A	B	C
11591	3/8	3/4	6 1/2
11592	3/4	7/8	11 1/2
11593	3/8	1/2	13 1/2
11590	3/4	3/4	25 1/2
11589	1 1/2	1	25 1/2
11588	3/8	1 1/4	1 1/2



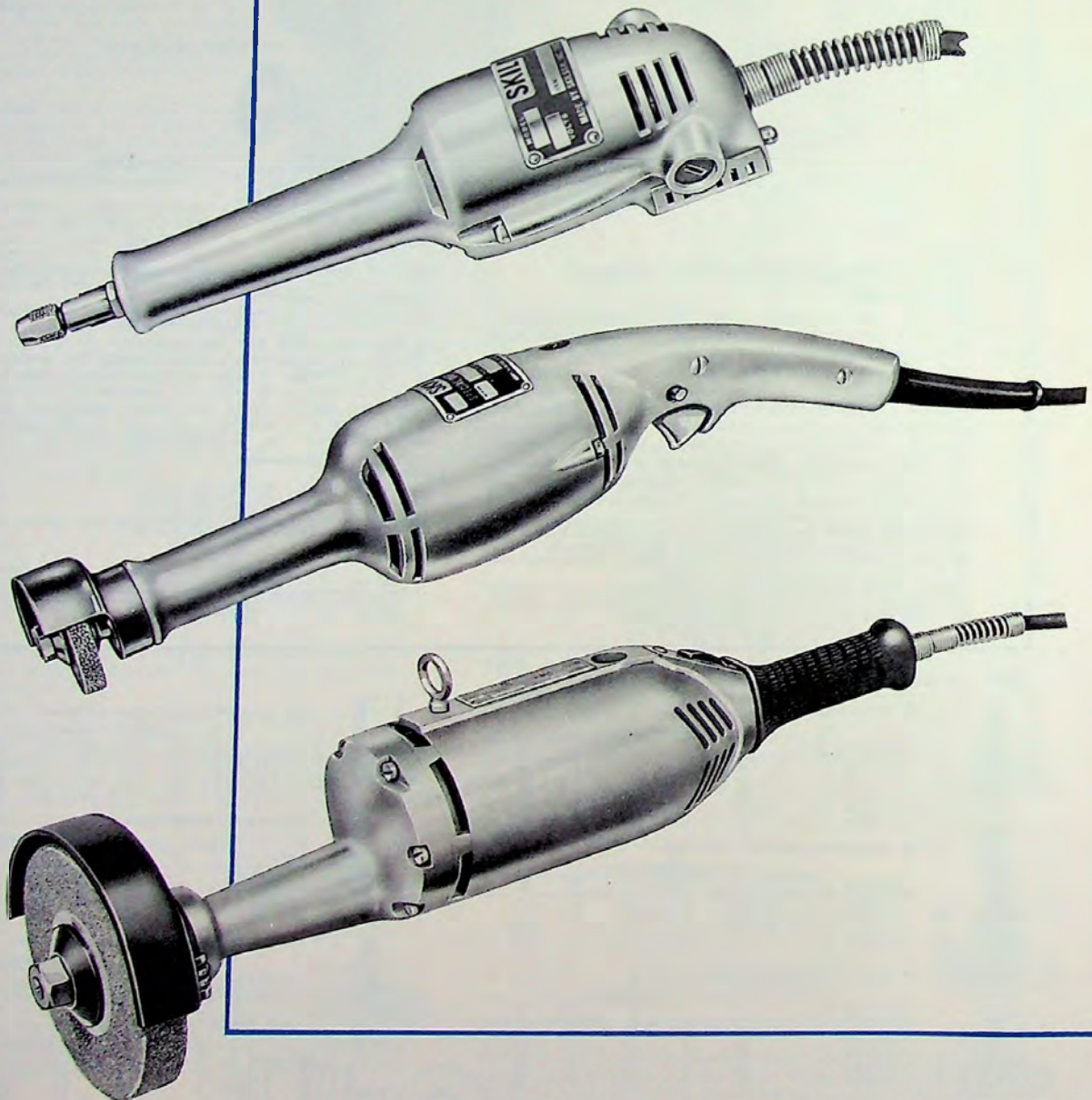
lock nut for template guides 11587

D dimension  
1 3/4-24 Thread



## SKIL PORTABLE GRINDERS

A FULL RANGE OF MODELS...FOR EVERY GRINDING

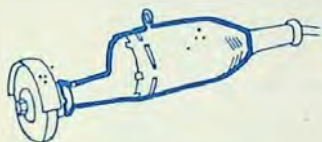




## JOB THROUGHOUT THE METAL WORKING INDUSTRY

Wherever a portable electric grinder is needed, SKIL has the right model to handle the job! Small, precision hand grinders speed tool and die work. Larger types grind welds, burrs and castings—and may be adapted for specialized operations. Designed for hard, continuous use, SKIL Portable Grinders are built to stand abuse on tough production, main-

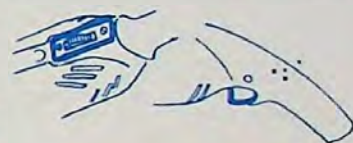
tenance or repair work. Your SKIL Distributor is always ready to show you the many uses of each SKIL Grinder...grinding metals, preparing surfaces for welding, grinding down weld beads and rough castings; removing rust, scale and paint; wire brushing and buffing many materials. Ask him to help in selecting your next portable grinder.



**housings** of die cast aluminum alloy provide light weight plus maximum strength for effortless handling even over prolonged periods—easy to keep clean for safer handling.



**powerful universal motors** are dynamically and statically balanced with reserve power for the occasional overloads incurred in heavy grinding. All motors are custom built.



**switches** on SKIL Portable Grinders are double-pole type for instantaneous action and dependable operation. Completely enclosed for protection from abrasive dust.



**gears**—only precision-cut helical gears are used in all larger capacity SKIL Grinders where wheel diameter requires speed reduction. High-speed hand grinders have direct drive.



**precision collet chucks** provide precise mounting of wheels and cutters on SKIL Hand Grinders for vibration-free, even grinding or shaping. Geared chucks also available.



**bearings**—to stand up under the jolting radial and thrust loads found in grinding, only high quality, self-lubricating ball bearings are used in all SKIL Portable Grinders.



**steel safety guards** on 2½" and larger Portable Grinders fully protect user both from grinding wheel and flying burrs, etc. Guards are adjustable to any desired position.



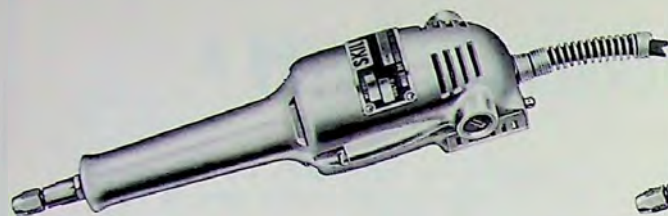
**ease of handling**—Handles and auxiliary grips are designed for comfort, balance, safety and sure control. SKIL Portable Grinders aid precise grinding and prevent operator fatigue.



**top speeds** on SKIL Portable Grinders are higher to give a cleaner, more complete grinding job in less time. Model 14S does precision die grinding at ultra high speed of 36,000 r.p.m.

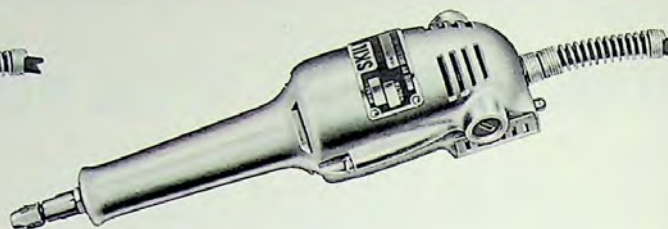


# SKIL PORTABLE GRINDERS



## SKIL hand grinder, model 146— $\frac{1}{8}$ " ( $\frac{1}{4}$ ") collet

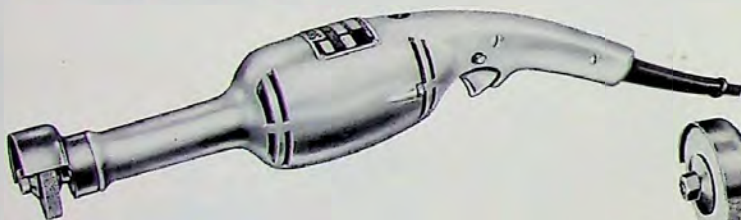
These 20,000 r.p.m. hand grinders capably fill the requirements of tool and die departments, pattern shops or model makers. Use collet chuck with mounted wheels and points; geared chuck with various wire gauge drills.  $\frac{1}{4}$ " collet chuck for Model 146 is available as an accessory. specifications—model 146: wheel capacity  $1\frac{1}{4}$ " mounted, spindle dia.  $5/32$ " geared chuck, no-load speed 20,000 r.p.m., length overall 10", net weight 2 $\frac{3}{4}$  lbs., shipping weight 3 $\frac{1}{2}$  lbs. model 137: wheel capacity  $1\frac{1}{4}$ " mounted, spindle dia.  $1/8$ " collet chuck, no-load speed 20,000 r.p.m., length overall 9 $\frac{3}{4}$ ", net weight 2 $\frac{1}{4}$  lbs., shipping wt. 3 $\frac{1}{2}$  lbs.



## SKIL hand grinder, model 148— $\frac{1}{8}$ " collet chuck, ultra-high speed

Specially engineered to attain and hold a top speed of 36,000 r.p.m., this outstanding grinder greatly increases the efficiency of small mounted wheels and points, carbide cutters. Entire grinder weighs just 2 $\frac{1}{4}$  lbs. Extremely compact and light weight for easy handling in any position, at any angle—on any job!

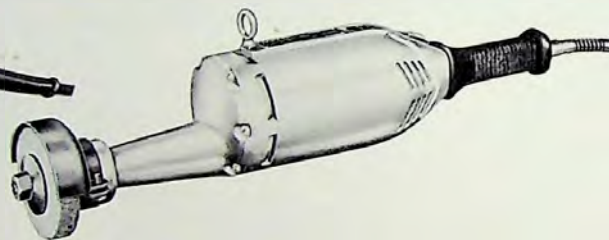
specifications: wheel capacity  $3/4$ " mounted, spindle dia.  $1/8$ " collet chuck, no-load speed 36,000 r.p.m., length overall 9 $\frac{3}{4}$ ", net weight 2 $\frac{1}{4}$  lbs., shipping weight 3 $\frac{1}{2}$  lbs.



## SKIL 2 $\frac{1}{2}$ " portable grinder—model 171

This is a truly outstanding dual-purpose grinder for all types of intermittent surfacing operations. With high speed of 17,500 r.p.m., Model 171 uses either  $3/8$ " or  $1/4$ " arbor grinding wheels  $1/4$ " shank, mounted wheels and points, wire wheel brushes, buffing and polishing wheels. And its powerful, high speed motor easily handles a broad range of high capacity grinding jobs.

specifications: wheel capacity 2 $\frac{1}{2}$  x  $3/8$ ", spindle dia.  $3/8$ ", no-load speed 17,500 r.p.m., length overall 16 $\frac{1}{2}$ ", net weight 6 lbs., shipping weight 9 lbs.



## SKIL 4" portable grinder—model 15

Amazingly light in weight for its capacity, this 4" grinder has all the power and stamina required for a big variety of grinding, wire brushing and buffing jobs. Model 15 is recommended for removing weld beads, smoothing and cleaning castings, and for intermittent production work. Sturdily built with precision-cut helical gears and heavy-duty motor designed to withstand overloads.

specifications: wheel capacity 4 x  $3/4$ ", spindle dia.  $1/2$ ", no-load speed 5,250 r.p.m., length overall 22", net weight 14 $\frac{1}{4}$  lbs., shipping weight 18 $\frac{1}{4}$  lbs.

### comparative specifications

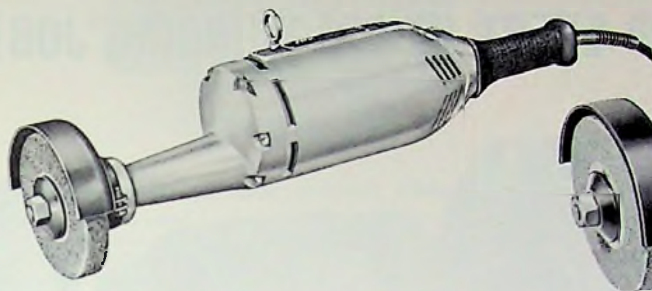
equipment: All models have 3-wire cord and connector. Models 146, 148 have  $1/8$ " collet chuck; Model 137 has  $5/32$ " geared chuck; each with dressing stone, wrenches. Model 171 has  $1/4$ " collet chuck, extension spindle for  $1/4$ " arbor wheels, wrenches, wheel guard, 2 $\frac{1}{2}$ " dia. medium grit grinding wheel with  $3/8$ " arbor hole. Model 15 has

medium grit grinding wheel, suspension eye bolt, adj. wheel guard. general specifications—motors: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115, 220 and odd voltages at no extra cost. switches: Enclosed, double pole momentary contact type. bearings: Ball. Spindle diameter: Model 171,  $3/8$ " and  $1/4$ "; Model 15,  $1/2$ ".

model no.	wheel capacity, inches	spindle diam., inches	speed no-load r.p.m.	length overall, inches	net weight, lbs.
137	1 $\frac{1}{4}$ mounted	$5/32$ geared chuck	20,000	10	2 $\frac{3}{4}$
146	1 $\frac{1}{4}$ mounted	$1/8$ collet chuck	20,000	9 $\frac{3}{4}$	2 $\frac{1}{4}$
148	$3/4$ mounted	$1/8$ collet chuck	36,000	9 $\frac{3}{4}$	2 $\frac{1}{4}$
171	2 $\frac{1}{2}$ x $3/8$	$3/8$	17,500	16 $\frac{1}{2}$	6
15	4 x $3/4$	$1/2$	5,250	22	14 $\frac{1}{4}$



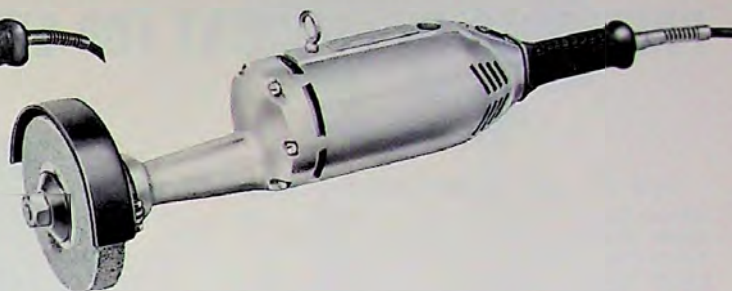
# SKIL PORTABLE GRINDERS



## SKIL 5" portable grinder—model 16

Here's a high-capacity portable grinder that has every construction feature for superior performance and wide adaptability to most grinding, wire brushing, buffing or polishing in production, construction and maintenance work. Model 16 is an excellent choice for production grinding and other heavy duty uses. Equipped with durable ball bearings for reliable operation.

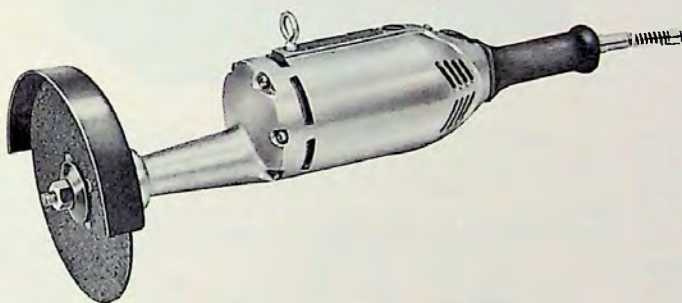
specifications: wheel capacity 5 x 3/4", spindle dia. 1/2", no-load speed 4,500 r.p.m., length overall 22 5/8", net weight 16 1/2 lbs., shipping weight 20 1/2 lbs.



## SKIL 6" portable grinder—model 142

Engineered for the toughest work encountered in grinding heavy castings, wire brushing or buffing and polishing just about any metal surface. This 6" grinder is built for constant production service. It has fully enclosed commutator and switch plus ball bearings throughout. Model 142 is fully dependable even under the most severe operating conditions, continuous day-to-day service.

specifications: wheel capacity 6 x 1", spindle dia. 5/8", no-load speed 4,200 r.p.m., length overall 23 1/2", net weight 19 1/2 lbs., shipping weight 25 lbs.



## SKIL 8" tuckpointing grinder—model 465

Job-proved as one of the most practical tuckpointing tools ever made. Users acclaim it superior for fast, economical tuckpointing work. With Model 465, you're able to penetrate as deep as is necessary to clean out all loose mortar. Light and easy to use, it keeps working under conditions that put other makes in the shop. Has self-lubricating ball bearings that give prolonged service life.

specifications: wheel capacity 8 x 1 1/8"—8 x 3/16", spindle dia. 3/8", no-load speed 5,000 r.p.m., length overall 22", net weight 14 1/2 lbs., shipping weight 19 lbs.

## SKIL replacement items—all portable grinders

part no.	item
3779*	1/8" collet
3780*	1/8" cap for above collet
9397*	1/4" collet
9398*	1/4" cap for above collet
11336	3/8" geared chuck and key
11337	key only for above

\*Order cap and collet for complete chuck.

## SKIL replacement wheels—all portable grinders

part no.	type	size	grit	for model
4498	high strength, reinforced	2 1/2"	36 med.	171
5882	aluminum oxide	4"	30 med.	15
5867	aluminum oxide	5"	30 med.	16
3682	aluminum oxide	6"	24 med.	142
*11646	silicon carbide	8" x 1 1/8"	24	465
*11647	silicon carbide	8" x 3/16"	24	465

\*Packed in cartons of 10. Order in lots of 10 where possible for convenience and quantity discount. See price list for complete schedule of quantity discounts.

## comparative specifications

equipment: Adjustable wheel guard, suspension eye bolt, 3-wire cord and connector. Models 16, 142 have medium grit grinding wheel; Model 465 has 8" x 1/8" flex wheel, No. 5891 pin wrench. general specifications—motors: Universal, D.C. or A.C. up to 60 cycles.

model no.	wheel capacity, inches	spindle diam., inches	speed no-load r.p.m.	length overall inches	net weight, lbs.
16	5 x 3/4	1/2	4,500	22 5/8	16 1/2
142	6 x 1	5/8	4,200	23 1/2	19 1/2
465	8 x 1 1/8—8 x 3/16	3/8	5,000	22	14 1/2

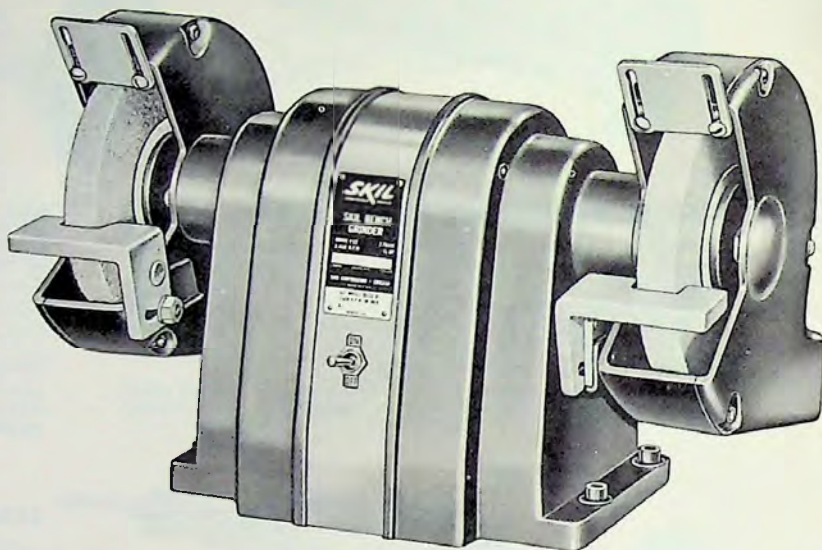
voltages: Standard, 115, 220 and odd voltages at no extra cost. bearings: Ball. switches Models 16, 142: Enclosed, double pole momentary contact type; Model 465: Enclosed double pole slide. Spindle diameters—Model 16, 1/2"; Model 142, 5/8"; Model 465, 3/8".



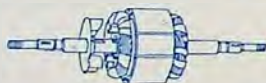
# SKIL BENCH GRINDERS

## PREFERRED BY INDUSTRY FOR EVERY BENCH GRINDING JOB!

SKIL Bench Grinders are available in a complete range of sizes for general-purpose use in factories, maintenance and repair shops, tool rooms and in automotive repair garages. Six models—designed for hard, continuous use—meet every sharpening, grinding, wire brushing, buffing or polishing requirement. Have your SKIL Distributor demonstrate the many uses of each bench grinder model...let him help you select the right one for your needs.



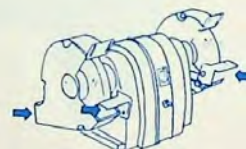
**safety features** on SKIL Bench Grinders are exclusive for tools in their price class. These include complete wheel guards, spark arrestors and exhaust chutes on all a.c. models.



**motors** are all fast-starting, balanced for vibration-free performance. Model 246 uses split phase type; larger models use capacitor-start motors. All are quiet, cool running.



**bearings**—Only self-lubricating, anti-friction ball bearings are used in all SKIL Bench Grinders to insure continuous, true-running performance and to eliminate service attention.



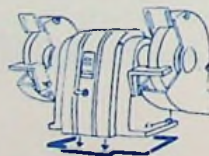
**utility features** include completely adjustable tool rests and spark arrestors. Modern, streamlined housing design on models 246 and 247 stays clean; provides neat, efficient look.



**illuminated eye shields** designed to fit all SKIL Bench Grinders are available to give eye protection and greatly increased work visibility. Safety glass has protective piece of plain glass below.



**grinder pedestal** of sturdy steel construction may be adapted to any Bench Grinder. Has holes in base for fastening to floor. Includes storage compartment and removable water pot. Matching gray finish.



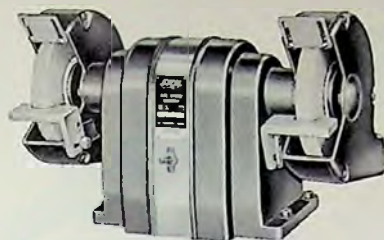
**removable base** on SKIL Bench Grinder models 246 and 247 provides handy access to motors and wiring for quick, easy cleaning and maintenance. Remove base by unfastening 4 easily accessible screws.



**housings** on models 246 and 247 Grinders are of pressure die cast aluminum to give maximum strength and rigidity combined with pleasing, modern appearance...another SKIL exclusive for top quality.



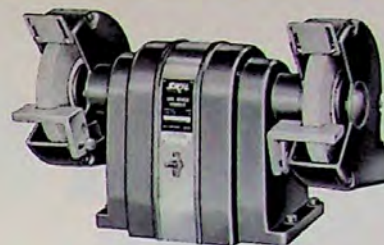
# SKIL BENCH GRINDERS



## SKIL 6" bench grinder—model 246, ¼ h.p.

Here is SKIL's ideal low cost grinder for hundreds of light jobs. Split-phase motor, dynamically balanced for vibration-free performance, assures fast starting, dependable efficiency. Sealed ball-bearings. Streamlined housing cleans easily. Base removes for access to motor and wiring.

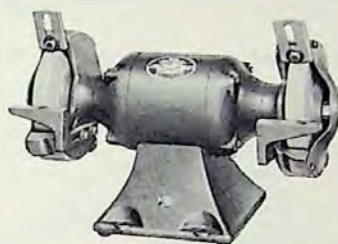
specifications: wheel size 6 x ½", arbor size ½", h.p. ¼, no-load speed 3450 r.p.m., voltage 1-phase 115 A.C. only; net weight 27 lbs., shipping weight 31 lbs.



## SKIL 6" bench grinder—model 247, ½ h.p.

A very powerful grinder for its capacity, it will handle all ranges of grinding and wire-brushing jobs in shops and garages. Dynamically balanced, capacitor-start motor operates smoothly, efficiently. Streamlined housing cleans easily. Base removes for access to motor, wiring.

specifications: wheel size 6 x ¾", arbor size ½", h.p. ½, no-load speed 3450 r.p.m. voltages 1-phase 115 or 230 A.C., 3-phase 220-volt A.C.; net weight 30 lbs., shipping weight 36 lbs.



## SKIL 6" bench grinder—model 567, ½ h.p.

A D.C. grinder that's power-packed for a wide range of jobs in garages, repair shops and tool rooms.

specifications: wheel size 6 x ¾", arbor size ½", h.p. ½, no-load speed 3450 r.p.m., voltages 115, 230, 32 D.C.; net weight 40 lbs., shipping weight 60 lbs.



## SKIL 10" bench grinder—model 564, 1 h.p.

A powerful tool that handles any work required of a general-purpose grinder. Heavy duty construction throughout insures complete reliability under continuous daily use in factories, machine and welding shops, maintenance departments, foundries or garages. Has quiet, cool-running, balanced motor plus removable heavy-duty wheel guards and adjustable tool rests.

specifications: wheel size 10 x 1", arbor size 1", h.p. 1, no-load speed 1750 r.p.m., voltages 1-phase 115 or 220 A.C., 3-phase 220 A.C. (3-phase 440 or 550 A.C. at extra cost); net weight 93 lbs., shipping weight 108 lbs.

## SKIL 7", 8" bench grinders—model 563 (7") model 658 (8"); both ½ h.p.

Two high-capacity grinders that are large enough to handle nearly all heavier jobs. Recommended for grinding light castings, constant sharpening of cutting tools.

specifications—model 563: wheel size 7 x 1", arbor size ¾", h.p. ½, no-load speed 3450 r.p.m., voltages 115, 220-250 1-phase A.C. and 220 3-phase A.C. (440, 550 3-phase A.C. available at extra cost); net weight 84 lbs., shipping weight 88 lbs. model 658: wheel size 8 x 1", arbor size ¾", h.p. ½, no-load speed 3450 r.p.m., voltages 115, 220-250 1-phase A.C. and 220 3-phase A.C. (440, 550 3-phase A.C. available at extra cost); net weight 87 lbs., shipping weight 90 lbs.

## comparative specifications

equipment: One fine and one medium grit wheel; 3-wire cord and connector (except 3-phase).

general specifications, all models—motors: Model 246, split phase induction; Models 247, 563, 658 and 564, capacitor start induction; Model 567, direct current. switches: Model 246, single pole; Model 247, 3-pole; other models double pole. All switches are enclosed toggle type. bearings: Ball bearings throughout.

model no.	a.c. or d.c.	wheel size, inches	arbor size, inches	distance between wheels	body clearance	base width & depth	h.p.	speed no-load, r.p.m.	a.c. voltages, 1-phase	a.c. voltages, 3-phase	d.c. voltages	net wt., lbs.
246	a.c.	6 x ½	½	11 ¾	¾	6 ½ x 8 ¾	¼	3450	115 only			27
247	a.c.	6 x ¾	½	11 ¾	¾	6 ½ x 9 ¾	½	3450	115, 230	220		30
567	d.c.	6 x ¾	½	11 ¾	¾	7 ¾ x 9 ½	½	3450			115, 230, 32	40
563	a.c.	7 x 1	¾	14 ½	¾	8 ½ x 9 ½	½	3450	115, 220-250	220, 440*, 550*		84
658	a.c.	8 x 1	¾	14 ½	¾	8 ½ x 9 ½	½	3450	115, 220-250	220, 440*, 550*		87
564	a.c.	10 x 1	1	18	1 ¼	10 x 11	1	1750	115, 220	220, 440*, 550*		93

\*Available on special order at extra cost

State voltage and phase in addition to model number. Standard 115 volt, single phase will be shipped unless specified otherwise.



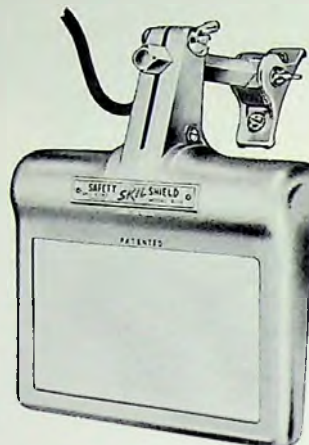
# SKIL GRINDER ACCESSORIES



## SKIL bench grinder pedestal—no. 4480

Constructed of heavy sheet steel, pedestal is internally braced for complete rigidity. Avoids clutter; provides storage compartment for wrenches, extra wheels and brushes. Complete with removable water pot. Holes in base for fastening to floor. Mounting holes located for models 246 and 247. Pedestal includes instructions for making a simple adapter plate for mounting models 563, 567, 658 and other 6", 7" and 8" grinders, shipping weight 55 lbs.

**specifications**—height: 32". base: 10" x 17 $\frac{3}{4}$ ". top: 8" x 12". Mounting slot width, center to center: 2 $\frac{7}{8}$ ". Mounting slot adjustment: 8 $\frac{1}{8}$ " to 10 $\frac{3}{8}$ ".



## SKIL illuminated eye shield—no. 5156

Gives eye protection and work visibility. Shield has fixture for mounting on all SKIL Bench Grinders, with cord lead for internal connection with grinder wiring. Safety glass is 4" x 6" with protective sheet of plain glass below. Easily adjusted. Order two for every SKIL Bench Grinder. 115 volt only.

## SKIL standard eye shield

no. 11499—pair

no. 11599—single

Made of  $\frac{1}{4}$ " thick shatterproof glass, metal framed and adjustable to angle desired. Outside dimensions, 6 $\frac{3}{8}$ " wide by 5 $\frac{1}{4}$ " high. Order a pair for each grinder.

No. 11499 (pair)

No. 11599 (single)

No. 11597 Replacement safety glass.

## replacement grinding wheels—bench grinders

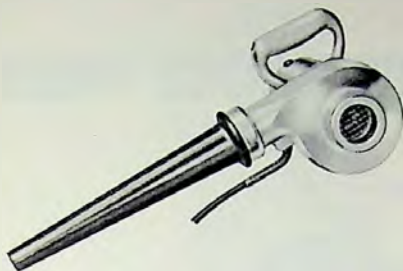
Here are top quality replacement grinding wheels for SKIL Bench Grinders. Balanced construction assures smooth performance.

part no.	wheel dia. inches	face width inches	arbor size inches	grit	max. safe operating r.p.m.	for model
11240	6	$\frac{1}{2}$	$\frac{1}{2}$	36	4140	246
10657	6	$\frac{1}{2}$	$\frac{1}{2}$	60	4140	246
10764	6	$\frac{3}{4}$	$\frac{1}{2}$	36	4140	247
10794	6	$\frac{3}{4}$	$\frac{1}{2}$	60	4140	247
12254	7	1	$\frac{3}{8}$	36	3545	563
12255	7	1	$\frac{3}{8}$	60	3545	563
12252	8	1	$\frac{3}{8}$	36	3820	658
12253	8	1	$\frac{3}{8}$	60	3820	658
12202	10	1	1	36	2480	564
12211	10	1	1	60	2480	564

**NOTE:** Before using any grinding wheel, be sure its safe operating speed (as shown on the wheel itself) is not exceeded by the free speed of the tool (free speed of tool is always given on tool nameplate).

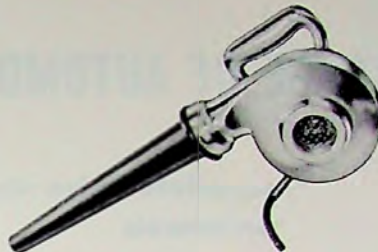


# SKIL BLOWERS



**SKIL blower—model 28  
special duty**

A low-priced blower for intermittent service to blow sawdust and wood chips from woodworking machinery; for frequent use in the small shop; for cleaning out delicate office machines. Converts to suction cleaner with extra equipment listed.



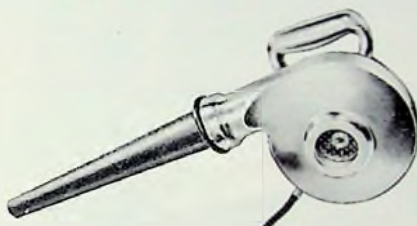
**SKIL blower—model 25  
standard duty**

A more powerful blower for most industrial requirements. Provides safest, most convenient methods of cleaning industrial motors, machinery. Safeguards valuable equipment from moisture found in compressed air lines. Converts to suction cleaner.



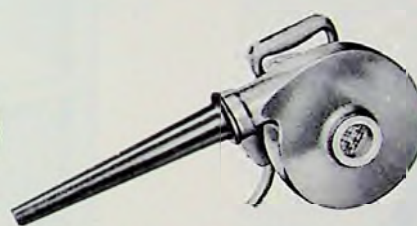
**SKIL blower—model 27  
hot and cold**

Delivers blasts of either hot or cold air by simply turning a switch. Removes moisture from motors, cable, electronic equipment, newly-dyed textile samples; dries newly-painted, sprayed or inked surfaces. Cannot be used as suction cleaner.



**SKIL blower—model 26  
heavy duty**

This popular portable electric blower delivers dry air at high velocity and comparatively low pressure. The safest method for cleaning electrical and other delicate equipment. It's powerful enough for any application. Converts to suction cleaner with accessories listed.



**SKIL blower—model 29  
two-speed, heavy duty**

Handles every industrial cleaning job where portable equipment is feasible. Low speed cleans expensive, precision equipment; high speed blasts dirt and moisture out of heaviest motors and machinery. Converts to powerful suction cleaner with accessories shown below.



**SKIL suction attachments  
for SKIL blowers**

Dust bag replaces rubber nozzle; hose replaces exhaust screen. Nos. 2858 and 9753 include these items: dust bag, 7' flexible hose, hose connection, furniture nozzle and brush, nipple, flat cleaning tool, carrying belt. (Also see below.)

No. 2858 (for Models 25, 26, 28)

## comparative specifications

equipment: Detachable hard rubber nozzle, non-conducting (except model 27); twenty-foot 3-wire cord and connector.

general specifications—motors: Universal, D.C. or A.C. up to 60 cycles. voltages: Standard, 115. Furnished on order for 220 and odd voltages at no extra cost. bearings: Sealed ball.

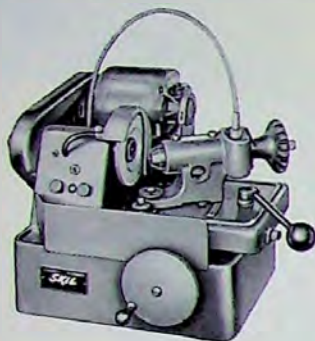
model no.	duty rating	fan speed, r.p.m.	linear velocity ft. per min.	displacement cu. ft. per min.	static pressure, water column	net weight, lbs.
28	spec.	11,000	15,000	70	18	7
25	std.	11,500	17,000	80	24-26	7½
27	hot, cold	11,000	12,000	40	24	8
26	heavy	11,500	20,000	95	32-34	9½
29	heavy, 2-speed	9,700 11,600	21,000 27,000	125 195.5	36 48	14½

## SKIL special purpose attachments for SKIL blowers

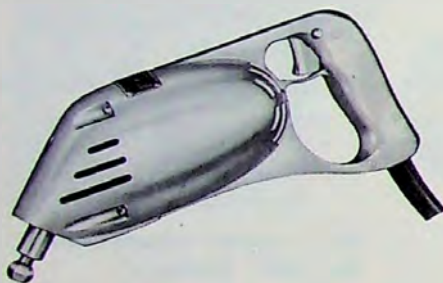
- 9754—Hose connection
- 9755—10" double bristle brush
- 9761—Double row bristle brush for 14" floor nozzle
- 9815—14" floor nozzle
- 9816—Dust bag
- 9817—Dust bag
- 9818—Upholstery nozzle to fit hose
- 9819—Furniture nozzle
- 9820—10" floor nozzle
- 9828—Aluminum elbow
- 9829—Adjustable wall brush
- 9830—7" switchboard brush
- 9831—Brush for upholstery nozzle
- 9832—2" diam. insulated brush
- 9833—2½" diam. insulated brush
- 9834—Rubber insulated cleaning brush
- 9835—Telephone braid cleaning brush
- 9836—Machine switch brush
- 9837—Pure gum rubber hose
- 9838—7' flexible vacuum hose
- 9839—Flat cleaning tool
- 9841—Flat cleaning tool
- 9842—Rubber blower nozzle
- 9844—44" steel extension handle
- 9845—Household sprayer



## SKIL OFFERS A BIG RANGE OF AUTOMOTIVE SERVICE TOOLS

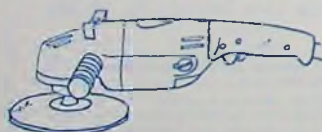
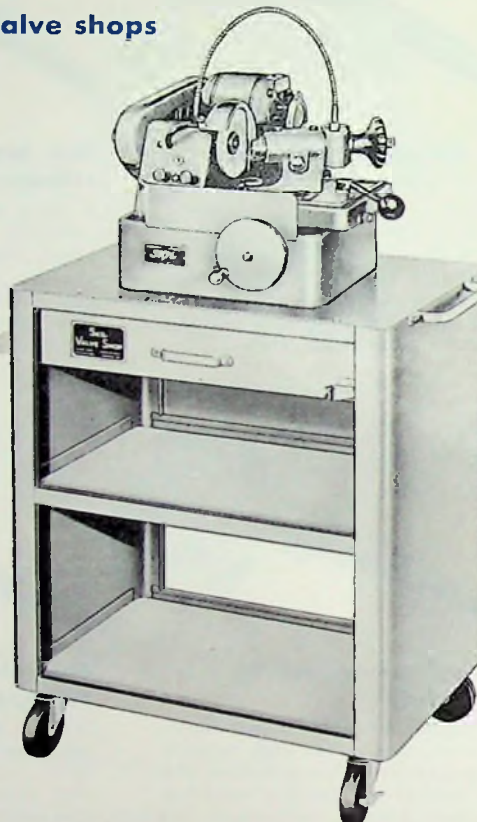


**valve refacers**—provided in two models, with or without butt grinding attachment, SKIL Valve Refacers are also available in complete valve shop combinations as shown at right.



**valve seat grinders**—two models, shown on a succeeding page, cover all valve seat grinding needs for passenger cars, commercial vehicles, marine engines and for stationary power plants.

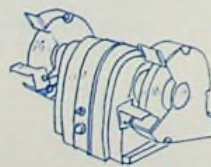
**complete valve shops on wheels**



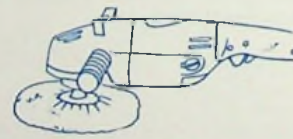
**disc sanders** Shown on page 36. SKIL Disc Sanders are a basic automotive service tool. One of five models will fit your particular job requirements.



**drills** 20 models shown in a preceding section, starting on page 20, offer a broad choice of power, speeds and bit sizes to fit any automotive need.



**bench grinders** Described on pages 48 and 49 preceding, SKIL Bench Grinders offer the automotive user a wide range of these essential utility tools.



**polishers** SKIL Polishers offer the automotive user two outstanding models from which to choose, together with complete accessories.

In addition to the valve-shop reconditioning equipment listed and explained in the following section, a great variety of other SKIL Tools shown in preceding sections of this catalog offer time-saving, cost-cutting applications for the automotive user. Together, they provide one of the most complete lines of automotive tools from which to select the right tools for your job requirements. Your SKIL distributor will gladly supply further information...including a demonstration of any of these tools.



# SKIL VALVE SHOPS, REFACERS



## SKIL valve shops

A completely self-contained unit which rolls to the job, saves time, builds profits. SKIL Valve Shop consists of Model 411 or Model 421 SKIL Valve Refacer, valve seat grinding equipment as listed, and heavily constructed SKIL Valve Cabinet for convenient parts and tool storage. Cabinet has locking drawer, work tray, electrical inlet and two outlets.

**model 792** Valve Shop (with Model 411 refacer). Shipping weight 292 lbs.

**model 932** Valve Shop (with Model 421 refacer). Shipping weight 292 lbs.

Both standard duty for regular automotive work.

## equipment, models 792, 932

- 1—Model 411 or 421 SKIL Valve Refacer
- 1—No. 7558 SKIL Valve Shop Cabinet
- 1—Standard Duty Valve Seat Grinder
- 1—Stone Dressing Stand
- 2—Stone Holders
- 8—General Purpose and Finishing Stones
- 1—Valve Guide Brush
- 4—Pilots
- 1—Pilot Wrench

**voltages:** Standard, 115 volts A.C. 60 cycles. Furnished on order for 220 volts A.C. at no extra cost.

**model 793** Valve Shop (with Model 411 refacer). Shipping weight 297 lbs.

**model 953** Valve Shop (with Model 421 refacer). Shipping weight 297 lbs.

Both heavy duty for large truck, tractor and marine engines.

## equipment, models 793, 953

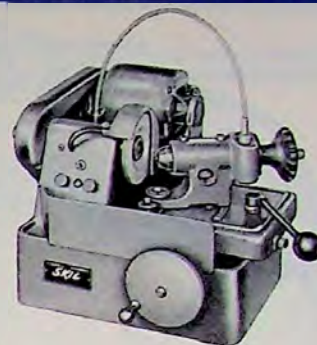
- 1—Model 411 or 421 SKIL Valve Refacer
- 1—No. 7558 SKIL Valve Shop Cabinet
- 1—Heavy Duty Valve Seat Grinder
- 1—Stone Dressing Stand
- 2—Stone Holders
- 14—General Purpose and Finishing Stones
- 1—Valve Guide Brush
- 6—Pilots
- 1—Pilot Wrench

**voltages:** Standard, 115 volts A.C. 60 cycles. Furnished on order for 220 volts A.C. at no extra cost.

**model 790** Valve Refacer and Cabinet only (Model 411 and No. 7558). Shipping weight 267 lbs.

**model 920** Valve Refacer and Cabinet only (Model 421 and No. 7558). Shipping weight 267 lbs.

**No. 7558** Valve Shop Cabinet only, 34" high x 27" wide x 17 3/4" deep. Net weight 70 lbs. Shipping weight 78 lbs.



## SKIL valve refacers

**model 411**, standard; **model 421**, with micrometer butt grinding attachment.

Grinds wet or dry for fast, accurate reconditioning of valves, valve lifters and rocker arms. Powerful 1/3 h.p. motor turns grinding wheel and coolant pump; drives workhead through a flexible shaft and worm gearing. This provides a uniform ratio between wheel and workhead speeds, giving a mirror finish every time.

All adjustments for wear are automatically compensated, except for easily tensioned V-belt drive. Rocker arm grinding attachment is quickly mounted, and with self-centering cones is automatically adjustable to all rocker arms. Diamond wheel dresser fits on rocker arm attachment to dress both face and side of wheel. Simple V-rest is easily attached for butt grinding. Model 411 refaces all valves up to 3 1/2" diameter. See optional collets below.

**model 411**, shipping weight 140 lbs.

**model 421**—shipping weight 140 lbs.

**equipment, all models:** Universal rocker arm grinding attachment including screw type diamond nib; 5/16" to 9/16" double end collet; V-rest for butt grinding; 5" offset grinding wheel (white); bottle of coolant. Model 421 has micrometer butt grinding attachment for Ford valves without adjustable lifters; including depth gauge; recessed grinding wheel; wheel guard with coolant tubing.

## general specifications, models 411, 421

**voltages:** Standard, 115 volts A.C., 60 cycles. Furnished on order for 220 volts A.C. at no extra cost. Net wgt., 116 lbs.

### optional equipment

(for all models unless specified otherwise)

- No. 2571**—Coolant, one pint
- No. 2572**—Coolant, one-half gallon
- No. 7530**—1/4" to 3/8" double end collet with spacer sleeve
- No. 7550**—Diamond nib for dressing butt grinding wheel (Models 421, 491 only)
- No. 7555**—1/2" to 1 1/8" double end collet
- No. 7568**—5", 15° offset grinding wheel (gray) for soft steel
- No. 12730**—Micrometer butt grinding attachment complete, for Model 411

### replacement equipment

(for all models unless otherwise specified)

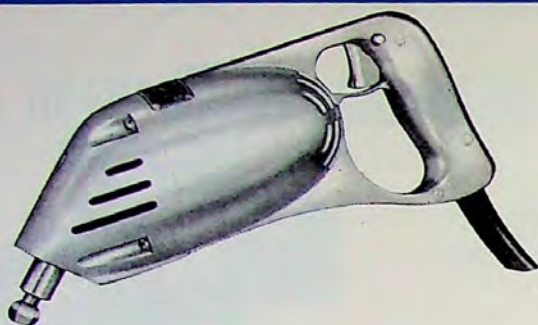
- No. 7554**—5/16" to 9/16" double end collet
- No. 7569**—5", 15° offset grinding wheel (white) for hard steel
- No. 7601**—Screw type diamond nib for dressing refacing wheels (Models 411, 421 only)
- No. 17549**—4" recessed butt grinding wheel (Model 421 only)

### equipment, former model 491 only

- No. 7551**—Diamond holder (45°) with diamond nib (for late models)
- No. 7556**—5", straight face, offset grinding wheel (for early models)
- No. 7557**—4" steel back grinding wheel for butt grinding
- No. 7559**—Diamond holder (90°) with diamond nib (for early models)
- No. 11331**—Universal rocker arm adapter only (cones and cone shaft for converting early models)
- No. 11335**—Universal rocker arm grinding attachment complete



# SKIL VALVE SEAT GRINDERS



## SKIL valve seat grinders

### model 318—standard duty

For refacing all types of automotive, truck, marine and stationary gasoline and diesel engines. Popular 45° angle drive permits easy work in confined spaces. Model 319 has heavy duty motor and gearing for handling 2" and larger diameter stones. Job-proved to run cooler, handle easier, produce better results. Quality built for lasting dependability.

**Model 318**, shipping weight 7¼ lbs.

**Model 319**, shipping weight 8¼ lbs.

### equipment

Hexagon ball spindle; 3-wire cord and connector.

### specifications

**motor:** Universal, D.C. or A.C. up to 60 cycles.

**voltages:** Standard, 115. Furnished on order for 220 and odd voltages at no extra cost.

**switch:** Enclosed double pole, momentary contact trigger switch with locking pin.

**speeds:** Model 318, 13,000 r.p.m., no-load. Model 319, 10,000 r.p.m., no-load. **bearings:** Ball bearings on all shafts.

**length overall:** 11⅞".

**net weight:** Model 318, 6 lbs.; Model 319, 6½ lbs.

### model 319—heavy duty

## SKIL basic valve seat grinding set

### model 439—standard duty

Basic equipment for limited valve grind work. Ideal for initial purchase of valve seat equipment. Metal cabinet protects precision tools.

**Model 439**, shipping weight 45¼ lbs.

## SKIL general purpose valve seat grinding set

### model 440—standard duty

For fast handling of all regular valve seat work. All SKIL Valve Seat Stones in this set are recommended for general purpose and finishing operations.

**Model 440**, shipping weight 49¼ lbs.

## SKIL basic valve seat grinding set

### model 441—heavy duty

Here's a basic set for assembly of a heavy duty valve seat grinding outfit. Ideal for the shop that specializes in large engine work where heavy duty equipment is needed.

**Model 441**, shipping weight 47 lbs.

## SKIL general purpose valve seat grinding set

### model 442—heavy duty

For all shops and garages handling large trucks, tractor and marine engines. Stones and pilots have been carefully selected for widest range of engines.

**Model 442**, shipping weight 50¼ lbs.

## equipment—SKIL valve seat grinding sets

### model 439, standard duty

1—model 318 SKIL Valve Seat Grinder

1—No. 7500 Carrying Cabinet

2—No. 7560 Stone Holders

1—No. 7600 Stone Dresser

### model 440, standard duty

1—model 318 SKIL Valve Seat Grinder

1—No. 7500 Carrying Cabinet

1—No. 7600 Stone Dresser

1—No. 7501 Stone (1¼")

1—No. 7502 Stone (1⅝")

2—No. 7503 Stones (1½")

2—No. 7504 Stones (1⅝")

2—No. 7505 Stones (1¾")

1—No. 7461 Valve Guide Brush

2—No. 7560 Stone Holders

1—No. 7572 Pilot

1—No. 7575 Pilot

1—No. 7578 Pilot

1—No. 7593 Pilot

1—No. 7450 Pilot Wrench

### model 441, heavy duty

1—model 319 SKIL Valve Seat Grinder

1—model 7500 Carrying Cabinet

2—No. 7560 Stone Holders

1—No. 7600 Stone Dresser

### model 442, heavy duty

1—model 319 SKIL Valve Seat Grinder

1—model 7500 Carrying Cabinet

1—No. 7600 Stone Dresser

1—No. 7501 Stone (1¼")

1—No. 7502 Stone (1⅝")

2—No. 7503 Stones (1½")

2—No. 7504 Stones (1⅝")

2—No. 7505 Stones (1¾")

1—No. 7506 Stone (1⅞")

1—No. 7507 Stone (2")

1—No. 7508 Stone (2⅝")

1—No. 7509 Stone (2¼")

1—No. 7511 Stone (2½")

1—No. 7513 Stone (2¾")

1—No. 7461 Valve Guide Brush

2—No. 7560 Stone Holders

1—No. 7572 Pilot

1—No. 7575 Pilot

1—No. 7578 Pilot

1—No. 7583 Pilot

1—No. 7586 Pilot

1—No. 7593 Pilot

1—No. 7450 Pilot Wrench



# VALVE SEAT GRINDER ACCESSORIES



## SKIL valve seat grinding stones

Made from highest quality electric furnace abrasives with short threaded metal insert for greater wear. Fit  $\frac{1}{16}$ "-16 threaded stone holders as listed below. All stones are dressed to a  $\frac{1}{8}$ " face at  $45^\circ$  to simplify ordering, but are easily dressed to exact angle needed. Adapter bushing No. 7499 is available to permit use of these stones with other stone holders having a  $\frac{1}{16}$ "-16 thread.

### specifications

stone size	general purpose and finishing stones	roughing stones for cast iron, soft steel	roughing stones for hard steel, stellite
diameter inches	part no.	part no.	part no.
$1\frac{1}{4}$	7501	7531	7401
$1\frac{3}{8}$	7502	7532	7402
$1\frac{1}{2}$	7503	7533	7403
$1\frac{5}{8}$	7504	7534	7404
$1\frac{3}{4}$	7505	7535	7405
$1\frac{7}{8}$	7506	7536	7406
2	7507	7537	7407
$2\frac{1}{8}$	7508	7538	7408
$2\frac{1}{4}$	7509	7539	7409
$2\frac{3}{8}$	7510	7540	7410
$2\frac{1}{2}$	7511	7541	7411
$2\frac{5}{8}$	7512	7542	7412
$2\frac{3}{4}$	7513	7543	7413
$2\frac{7}{8}$	7514	7544	7414
3	7515	7545	7415
$3\frac{1}{4}$	7516	7546	7416
$3\frac{1}{2}$	7517	7547	7417
$3\frac{3}{4}$	7518	7548	7418
$3\frac{1}{2}$	7519	7549	7419

NOTE—Before using any grinding stone, always be sure its maximum safe operating speed (shown on stone blotter) is not exceeded by the free speed of the tool (shown on nameplate).

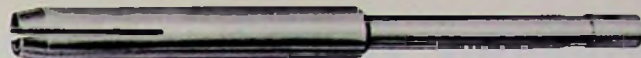


## SKIL stone dressing stand

Makes quick work of dressing and cutting stones to exact angle. Has heavy base and replaceable diamond nib (see below). Angle adjustment is graduated and locks at 0, 15, 30, 45, 75 and 90 degrees.

No. 7600—Stone Dressing Stand, shipping weight 12 lbs.

No. 7601—Replacement Diamond Nib (with screw).



## SKIL expanding pilots

One-piece construction for quick operation, accuracy of fit and low cost. Tapered and slotted to provide a rigid, centered fit in worn guides. Also serves as plug gauge. If guide is so badly worn that proper pilot does not anchor, guide should be replaced.

### specifications

part no.	size, inches	length, inches
7570	$\frac{1}{4}$	4 $\frac{3}{4}$
7571	$\frac{5}{16}$	4 $\frac{3}{4}$
7572	$\frac{3}{8}$	5 $\frac{1}{2}$
7573	$\frac{7}{16}$	4 $\frac{3}{4}$
7574	$\frac{1}{2}$	6 $\frac{1}{2}$
7575	$\frac{11}{16}$	5 $\frac{1}{2}$
7576	$\frac{1}{2}$	4 $\frac{3}{4}$
7577	$\frac{11}{16}$	6 $\frac{1}{2}$
7578	$\frac{3}{4}$	6 $\frac{1}{4}$
7579	$\frac{3}{4}$	4 $\frac{3}{4}$
7580	$\frac{3}{4}$	7 $\frac{1}{2}$
7581	$\frac{13}{16}$	6 $\frac{1}{2}$
7582	$\frac{13}{16}$	7 $\frac{1}{2}$
7583	$\frac{7}{8}$	6 $\frac{3}{4}$
7584	$\frac{7}{8}$	7 $\frac{3}{4}$
7585	$\frac{7}{8}$	8 $\frac{3}{4}$
7586	$\frac{1}{2}$	6 $\frac{3}{4}$
7587	$\frac{1}{2}$	8 $\frac{1}{4}$
7588	$\frac{7}{8}$	6 $\frac{3}{4}$
7589	$\frac{15}{16}$	5 $\frac{1}{2}$
7590	$\frac{3}{4}$	6 $\frac{3}{4}$
7591	$\frac{15}{16}$	6 $\frac{3}{4}$
7592	.850	Special pilot for Ford V-8, 60
7593	1 $\frac{1}{2}$	Special pilot for Ford V-8, Mercury 7
7594	$\frac{3}{4}$	Special pilot for Oldsmobile Rocket.
7595	.395	Special pilot for Kaiser-Frazer No. 12 valve.
7599	$\frac{11}{16}$	8 $\frac{1}{4}$
11812	$\frac{1}{4}$	



## SKIL stone holders

Machined and reamed to fit all SKIL Pilots accurately. Threaded end fits all SKIL Stones and others with a  $\frac{1}{16}$ "-16 thread.

No. 7560—Standard stone holder.

No. 7425—Ball bearing stone holder.

No. 7495—Short stone holder for Kaiser-Frazer.

No. 7596—Special stone holder for Crosley.

See page 26 for carbon cleaning brushes.

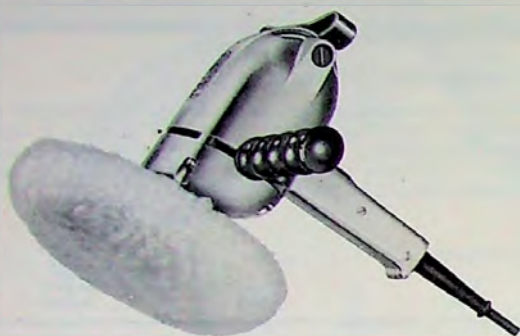


## SKIL pilot wrench No. 7450

Instantly places or removes SKIL Pilots from valve guides.



# SKIL POLISHERS, ACCESSORIES



## SKIL 7" standard duty polisher—model 570

A full-powered tool of compact design for use in small garages, service stations, dealer service departments... anywhere polishing is done intermittently. Well balanced and easy to handle, either on or off work surface. Weight of tool is centered directly over spindle to give better control. Lighter in weight than many less powerful tools. specifications: duty rating—std., pad diam. 7", no-load r.p.m. 1300, length overall (not including pad) 9½", net weight 7 lbs., shipping weight 12 lbs.

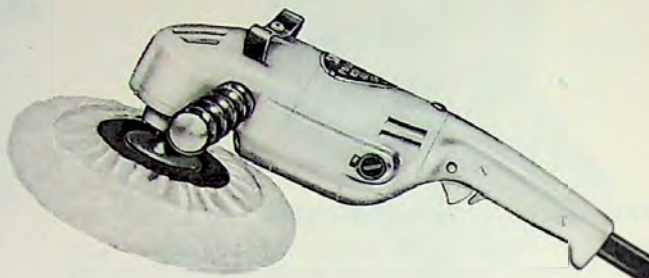
### comparative specifications

equipment: 7" molded rubber backing pad; sponge rubber polishing pad; long pad nut; standard pad nut; lambswool polishing bonnet; side handle; tool rest; wrench; 3-wire cord and connector.

general specifications—motors: Universal, D.C. or A.C. up to 60 cycles.

model no.	duty rating	pad diam., inches	speed, no load, r.p.m.	length* overall, inches	net weight, lbs.
570	special	7	1300	9½	7
186	standard	7	1700	15½	12

\*length not including pad



## SKIL 7" heavy duty polisher—model 186

A completely new, advanced-design polisher, with many exclusive features. Weight of tool is forward, making polisher easier to control and requiring less pressure. Extra-long cord protector, trigger switch, non-slip handle design and snag-free housing assure safe operation. Forced ventilation cools gear case as well as motor.

specifications: duty rating—heavy, pad diam. 7", no-load r.p.m. 1700, length overall (not including pad) 15½", net weight 12 lbs., shipping weight 15¼ lbs.

voltages: Standard, 115, 220 and odd voltages at no extra cost. switches: Model 570, enclosed double pole slide type; Model 186, enclosed double pole momentary contact trigger type with locking pin. bearings: Model 570, ball and self-lubricating; Model 186, ball. spindle diameter: ⅝"—11 thread.



### SKIL lambswool bonnet

Same as standard equipment. Best for all-around cleaning and polishing. Used with 7" rubber back pad and 7" sponge rubber pad. No. 4711



### SKIL pile fabric pad

Specifically designed for polishing or rubbing down newly sprayed finishes. Deep wool pile resists matting down, gives longer service. No. 6622



### SKIL felt rubbing pad

Highest quality, durable felt pad that is useful for a great variety of rubbing and burnishing operations with special rubbing compounds. No. 2462

### SKIL auto polish

For cleaning, glazing and polishing automotive finishes in one operation. Cuts power polishing time way down! Std. Duty for newer cars or finishes in good condition; Heavy Duty for badly dulled or oxidized finishes.

No. 3771—Standard Duty, one gallon.  
No. 3772—Heavy Duty, one gallon.



### polisher accessories

No. 4679—7" molded rubber back pad for use with all SKIL polishers.

No. 6496—7" sponge rubber pad. Used with rubber back pad (above).

No. 4699—Long pad nut. Clamps sponge rubber and backing pads to polisher spindle.

No. 2445—Pad nut wrench.



# SKIL INSPECTION

## *Quality Control* maintains high SKIL standards



SKIL Quality Control...the industry's highest...protects SKIL users against costly "down time" and troublesome repairs. Every step of SKIL Tool manufacture is controlled by the most rigid standards of inspection and testing.

All incoming materials must meet the most exacting SKIL specifications. Tool components are constantly checked during production to assure you top-quality operating standards. Inspection after tool assembly includes complete electrical and mechanical checks.

SKIL inspections employ advanced techniques and the latest measuring devices. Optical comparators give critical dimensions on machined parts of irregular shapes. Gear rolling equipment determines proper gear mating. Tough hardness tests are applied to all parts that normally operate under stress. And a wide variety of ring, snap, plug and thread gauges keep tolerances at a specified minimum.

In a Quality Control room, SKIL Tools are bench-tested and run-in according to statistical procedures (see photo at left). Established limits determine approval or rejection of every tool tested. This produces an ever-increasing manufacturing quality in every tool that bears the SKIL nameplate.

Every effort in the entire manufacture of SKIL Tools is directed toward giving you, the user, the best performing and most durable equipment possible. High standards such as these make SKIL your greatest power tool value!



**electrical bench test** performed on SKIL Model 67 Super Duty Saw induces maximum current into tool under extreme load. Inspector checks tool temperature.

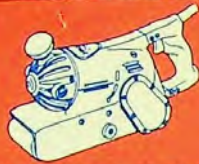
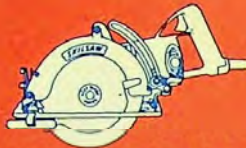


**optical comparator** gives inspector precise measurement between irregular surfaces by greatly magnifying part. Here a die support for SKIL Shear is checked.



**hardness testing**—Armature shaft for a SKIL Saw motor must be within specific hardness range to be accepted. A great variety of parts are tested.





# SKIL tool service



Fast and efficient service for any SKIL Tool is available at the factory branch service stations in the cities listed below. It is our policy to provide prompt and dependable service throughout the life of every SKIL Tool manufactured and sold by us.

Atlanta 3, Ga.....	1116 W. Peachtree St., N. W.
Baltimore 18, Md.....	2323 Greenmount Ave.
Birmingham 4, Ala.....	806 North 5th Ave.
Boston (Allston) 34, Mass.....	442 Cambridge St.
Buffalo 11, N. Y.....	570 E. Delavan Ave.
Charlotte 3, N. C.....	1815 S. Tryon St.
Chicago 12, Ill.....	1655 W. Jackson Blvd.
Chicago 30, Ill. (Factory).....	5033 Elston Ave.
Cincinnati 2, Ohio.....	1132 Gilbert St.
Cleveland 14, Ohio.....	3038 Payne Ave.
Dallas 26, Texas.....	4014 Elm St.
Denver 16, Colo.....	4462 York St.
Des Moines 16, Iowa.....	3629 E. 14 St.
Detroit 21, Mich.....	17160 Wyoming Ave.
Houston 3, Texas.....	3606 Navigation Blvd.
Indianapolis 7, Ind.....	1620 E. Riverside Dr.
Kansas City 8, Mo.....	2007 Broadway
Los Angeles 7, Calif.....	2730 S. Broadway
Memphis 4, Tenn.....	2031 Madison Ave.
Miami 37, Fla.....	4220 N. W. Second Ave.
Milwaukee 13, Wisc.....	9209 W. Bluemound Rd.
Minneapolis 6, Minn.....	4023 E. Lake St.
Newark (Hillside) 5, N. J.....	611 U. S. Highway No. 22
New Orleans 15, La.....	3501 Tchoupitaulas St.
New York 51, N. Y.....	2810 Park Ave.
Oklahoma City 4, Okla.....	1535 W. Reno St.
Philadelphia 38, Pa.....	2135 Chew Ave.
Pittsburgh (Monroeville), Pa.....	4127 William Penn Highway
Portland 13, Ore.....	5616 N. E. Glisan St.
St. Louis 3, Mo.....	3501 Market St.
San Francisco 3, Calif.....	285 S. Van Ness Ave.
Seattle 9, Wash.....	818 John St.
Spokane 21, Wash.....	N. 2226 Division St.
Montreal 15, Quebec, Can.....	480 Ogilvy Ave.
Toronto 9, Ontario, Can.....	3601 Dundas St., W.
Vancouver 6, B. C., Can.....	1606 E. Hastings
Mexico 6, D. F., Mexico.....	Abraham Gonzales No. 94

## SKIL Corporation